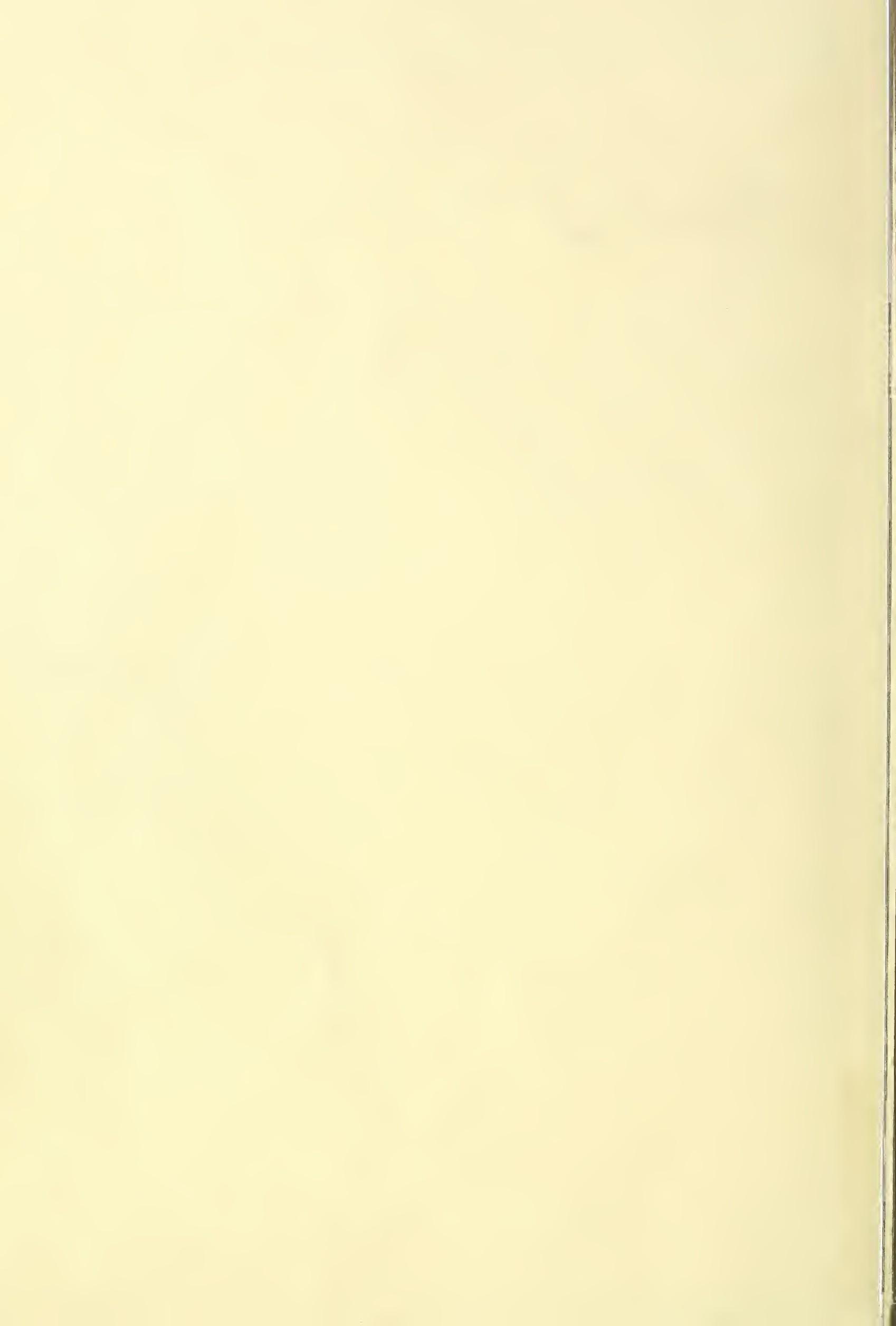


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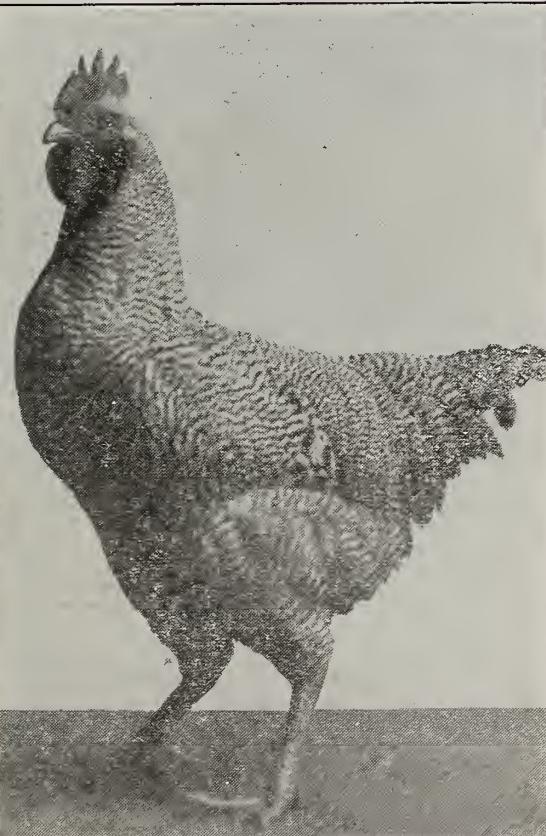
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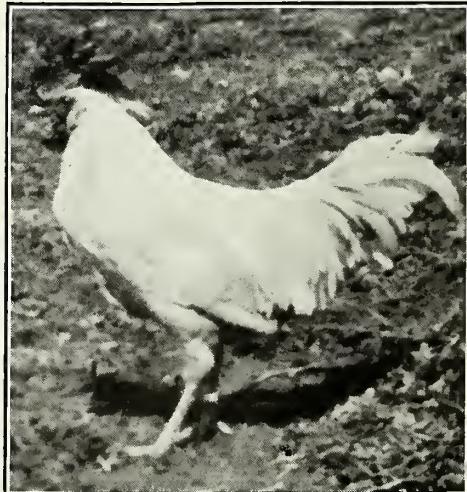
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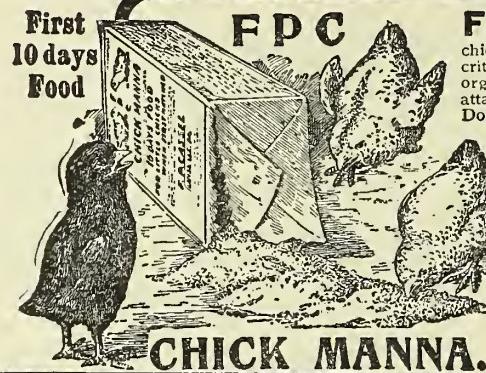
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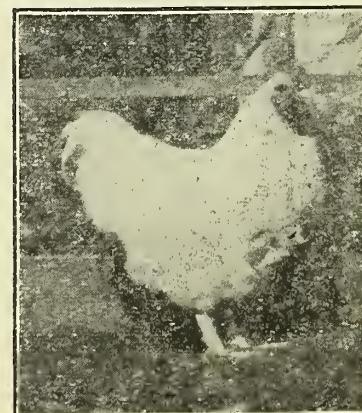
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THE INDUSTRIOUS HEN

VOL. XI.

LOUISVILLE, KY., JANUARY, 1915

(Whole No. 127)

No. 8

Lessons Learned From The National Contest

One hundred and fifteen hens lay over 200 eggs each. One hen ties the World's Contest Trapnest Record by laying 286 eggs in twelve months—English White Leghorns make the greatest pen record—White Wyandottes make the highest average, with Barred Plymouth Rocks second—A Missouri Pen wins second place.

ALL previous records have been broken in the National Egg Laying Contest which closed December first at the Missouri State Poultry Experiment Station at Mountain Grove. Lady Laymore, hen No. 611, a S. C. White Leghorn from Nebraska, tied the world's trapnest record for an egg laying contest. She laid 286 eggs in twelve months. She beat Lady Showyou's record by five eggs. The English pen of S. C. White Leghorns won the grand championship by laying 2296 eggs. Every one of the hens in this pen except one laid over 200 eggs.

Why is it that some pens have a single hen in the pen of ten hens that will make a very high record and the remaining birds in the pen will be below the average? We think it is due to the fact that a poultryman like Barron has given much thought and much time to the question of selection and breeding for egg production. Such breeders have done some trapnesting, some pedigreeing, and they know the kind of males and females that they are breeding from. Such poultrymen have selected and bred from 200 egg males, that is, males bred from hens with 200 egg records, so long that they have fixed the egg laying characteristics and the egg laying ability in the entire flock, so nearly so that practically all their hens average well and make good records, barring sickness, accident or improper methods of feeding and housing. While the other fellows have bred more or less promiscuously and unknowingly. Therefore, they only get an occasional high hen. A good fancier might see an exceptionally beautiful bird exhibited by an amateur, but not knowing whether the bird had a line of good breeding back of him, a good fancier would not give much for such a bird to cross on his flock because the birds good points might not be fixed by years of breeding, and he might not be able to transmit his good qualities. The same is true in breeding for egg production. In some pens, practically every bird gives evidence of years of careful selection and breeding, and another pen has only an occasional good bird which shows that these good qualities are not so firmly and uniformly fixed in the flock. Mr. Poultryman, know the history and the pedigree of at least a few of your best breeding males. It pays.

In addition to the above facts, our records for this contest and the two previous ones, lead us to state the following as being true: There is an egg type and a beef type in poultry, just as true as there is a dairy type and a beef type in cattle. We find both of these types in all varieties of poultry. And there is also the intermediate, or dual purpose type. We are not going to attempt to describe these except to say that our best hens are medium sized birds, and as a rule, are considerably under standard weight. They are late moulters and practically free from the disposition to broodiness. They have thin pelvis bones; rather high tails; rather narrow skulls, not a masculine head in appearance; large, bright eyes; large combs; long and broad backs carried much higher than that portion nearest the tail; wide behind with plenty of space between the point of their breast bone and the points of the pelvic bones; and they must be good feeders, always active and alert. The good laying hens are nearly always somewhat close feathered. Not loosely feathered like the Cochins. We believe that if a White Leghorn with a

record of 250 eggs and a Barred Rock with the same record, were both in good health and condition, and were both killed and picked at the same time, you would find a great resemblance and uniformity in the shape and measurements of the body and bones of the two fowls. You would have to make due allowance for the extra size of the Plymouth Rock of course.



These contests have also proven beyond a doubt in my mind that a reasonable amount of beauty and a reasonable amount of eggs can be combined in the same fowl. The Barred Rock, the White Rock, the Buff Leghorn and a number of the other hens which made the highest records this year, were hens which would not disgrace any show room. The Barred Rock which laid 254 eggs was exceptionally good in color and shape. Just as have some of the fanciers utterly disregarded egg production in their matings, just so have some of the egg men utterly disregarded color in their matings. We do not believe it is possible to produce a record breaking layer and pay too

much attention to color, neither can you breed the exceptionally high scoring specimen and pay too much attention to egg production, but we do believe it is possible to breed whole flocks that can average 150 to 180 eggs and have individuals laying from 200 to 250 eggs and still have beautiful color and shape, which is not necessarily Standard shape. There seemed to be a disposition at the last A. P. A. meeting at Chicago to gradually change the shape of our varieties until they conform more nearly to the egg type, and that is what we should come to. Also the egg men should strive to improve the color in their flocks, and the Standard makers should always bear in mind not to make the color requirements so artificially impossible that a good poultryman could not combine a reasonable amount of beauty in shape and color, and at the same time have a productive flock. We are glad to say that the disposition of the Standard makers seems to be in that direction more than ever before.

The highest pens from the different countries ranked as follows at the close of the contest:

| Pen. | Eggs. |
|--|-------|
| o. S. C. White Leghorns, best English Records | 2296 |
| 65. S. C. White Leghorns, best American Records | 2104 |
| 102. S. C. White Leghorns, best New Zealand Records | 1814 |
| 77. S. C. White Leghorns, best Vancouver Island Record | 1774 |
| 3. S. C. White Leghorns, best Australian Record | 1660 |
| 21. White Wyandottes, best Ontario Record | 1641 |
| 64. S. C. White Leghorns, best British Columbia Record | 1460 |
| 76. S. C. White Leghorns, best South African Record | 1352 |

Our experience with foreign pens leads us to believe that on account of the change of season, change of climate and long distances that it is almost impossible to ship birds from Australia and New Zealand and other countries of equal distance and then get satisfactory results. We believe we can breed from these pens one year at this place and raise their young in this climate and they will do far better than their parents. Many of these did quite well, however, considering the fact that they were just about frying size when they reached here last December.

In this contest which just closed, 115 hens laid more than 200 eggs each. The highest of these hens of each variety is as follows:

| Hen. | Eggs. |
|---------------------------------------|-------|
| 611. S. C. White Leghorn, Nebraska | 286 |
| 180. White Wyandottes, Pennsylvania | 265 |
| 566. Barred Plymouth Rock, Iowa | 254 |
| 24. Ancona, Missouri | 243 |
| 335. Black Orpington, Nebraska | 243 |
| 576. White Plymouth Rock, Texas | 242 |
| 456. R. C. Rhode Island Red, Missouri | 239 |
| 236. Silver Wyandotte, Missouri | 233 |
| 363. Buff Orpington, Texas | 230 |
| 476. S. C. Rhode Island Red, Missouri | 227 |
| 48. S. C. Black Minorca, Missouri | 225 |
| 197. Buff Wyandotte, New York | 222 |
| 13. Campine, New Jersey | 216 |
| 42. S. C. Buff Leghorn, Michigan | 215 |
| 278. Black Langshan, Missouri | 215 |
| 524. Buff Plymouth Rock, Missouri | 210 |
| 895. White Orpington, Missouri | 205 |
| 141. Black Rhinelander, California | 202 |

The hens in the national contest made an average of 159 eggs per hen. There were several hens which did not lay an egg. These will be killed and examined to determine, if possible, what was the cause of their barrenness. The average would have been at least from five to eight eggs more per hen had the contest started the first of November, 1913.

The ten highest pens in this contest were as follows, each pen being composed of ten hens:

| Pen. | Eggs. |
|---------------------------------------|-------|
| o. S. C. White Leghorns, England | 2296 |
| 24. White Wyandottes, England | 2047 |
| 18. White Wyandottes, Pennsylvania | 2006 |
| 47. S. C. Reds, Missouri | 1996 |
| 59. Barred Plymouth Rocks, Ohio | 1867 |
| 9. S. C. White Leghorns, Pennsylvania | 1821 |
| 53. Barred Plymouth Rocks, Illinois | 1809 |
| 51. White Plymouth Rocks, Arkansas | 1784 |
| 23. Silver Wyandottes, Missouri | 1764 |
| 57. White Plymouth Rocks, Texas | 1752 |

The average number of eggs laid by all hens of each variety was as follows:

| | Eggs per hen. |
|------------------------------------|---------------|
| All White Wyandottes averaged | 190 |
| All Barred Plymouth Rocks averaged | 176 |
| All S. C. White Leghorns averaged | 172 |
| All S. C. Reds averaged | 171 |
| All White Plymouth Rocks averaged | 171 |
| All Buff Wyandottes averaged | 169 |
| All Silver Wyandottes averaged | 167 |
| All R. C. Reds averaged | 164 |
| All Buff Orpingtons averaged | 163 |
| All Anconas averaged | 162 |
| All S. C. Back Minorcas averaged | 160 |
| All Black Langshans averaged | 158 |
| All Buff Leghorns averaged | 154 |
| All Buff Plymouth Rocks averaged | 148 |
| All White Orpingtons averaged | 143 |

| | |
|---|-----|
| All Black Orpingtons averaged | 139 |
| All Campines averaged | 135 |
| All R. C. Black Minorcas averaged | 128 |
| All Back Rhinelanders averaged | 124 |

These are records which any breeder should be proud of. All made good averages.

The ten highest pens in the Leghorn contest were as follows:

| Pen. | Eggs. |
|--|-------|
| 65. S. C. White Leghorns, Missouri | 2104 |
| 79. S. C. White Leghorns, Pennsylvania | 2097 |
| 69. S. C. White Leghorns, Missouri | 1939 |
| 70. S. C. White Leghorns, Missouri | 1867 |
| 75. S. C. White Leghorns, England | 1822 |
| 102. S. C. White Leghorns, New Zealand | 1814 |
| 77. S. C. White Leghorns, Vancouver Island | 1774 |
| 61. S. C. White Leghorns, Nebraska | 1720 |
| 72. S. C. White Leghorn, Iowa | 1646 |
| 80. S. C. White Leghorns, Missouri | 1633 |

Some of the foreign birds and some of the American birds which got late starts and were out of condition finally came up and made creditable records after all. A hen may be held back and prevented from laying as many eggs as she would have done had she been kept in good condition and given proper care and treatment, but when she does reach a normal state of health and condition, she will make up for much of the time she lost, if she is properly bred. One of the highest laying pens in this contest was bred from a male bird which had one eye put out by roup. We do not recommend this practice, however, because it is unsafe. A bird may recover but the offspring too often shows a tendency to the same disease.

As a comparison of foreign bred birds and American birds, we might say that all foreign S. C. White Leghorns averaged 158 eggs each and all American S. C. White Leghorns averaged 164 eggs each, making six eggs per hen in favor of the American Leghorns.

The hens in the utility contest never had a fair chance because most of them got out of condition to start with and never fully recovered from the effects of it. The most of them, however, made a record far above that of the average hen.

The ten highest pens were as follows:

| Pen. | Eggs. |
|---|-------|
| 86. Barred Plymouth Rocks, Michigan | 1749 |
| 85. Barred Plymouth Rocks, Texas | 1608 |
| 92. S. C. Rhode Island Reds, Pennsylvania | 1583 |
| 94. S. C. Rhode Island Reds, Ohio | 1563 |
| 99. White Wyandottes, Arkansas | 1457 |
| 87. Barred Plymouth Rocks, Missouri | 1404 |
| 97. White Wyandottes, Texas | 1306 |
| 93. S. C. Reds, New York | 1293 |
| 98. White Wyandottes, New York | 1152 |
| 95. S. C. Reds, New Hampshire | 1143 |

The National contest and the Missouri contest started on November first. We have several new varieties entered this year that we have never had before. The pens this year are composed of only five pullets. The highest pen for the month was a Missouri pen of White Wyandottes. The pen of five pullets laid 117 eggs in November and one pullet laid thirty eggs in thirty days. A complete report will be given each month in the future.

HEALTHY POULTRY THE FOUNDATION OF SUCCESS.

You Cannot Expect Profit from Sickly Birds, but only Loss and Disappointment.—Some Valuable Information on Limberneck, Bumble-Foot, Crop-Bound, Colds, etc.

By Bert Connely.

IN SPITE of all that's said in regard to success with poultry, the foundation really rests on health of the fowls. I care not how profitable a breed one has nor how excellent they are in Standard points, nor how many blue ribbons they or their ancestors have won, nor how expensive are their houses and surroundings, if the fowls are not strong, healthy and vigorous all is a vain show as far as profit is concerned. A sickly lot of fowls that needs to be doctored all or part of the time are nothing but a vexation and loss to their owner.

To cure sick fowls is often a difficult and costly operation, but to keep fowls in health is entirely possible and practical.

To begin at the beginning, many diseases of fowls are transmitted from the parent stock. Some of our high-bred fancy stock is bred up so well that they are good for nothing to one who expects to make money from market eggs and meat. From injudicious breeding and other methods contrary to nature, their progeny are constitutionally weak and have no vigor to withstand attacks of disease, changes in temperature or feeding for egg production.



Scene on Golden Rod Egg Farm, P. M. Beard, Prop., Hardinsburg, Ky. S. C. White Leghorns Exclusively.

In line breeding there is a tendency to deteriorate in vigor and vitality, and the same is true of fowls that are closely confined for several successive generations. Nature's call can be ignored for one generation with no immediate harm, but the second or third generation, nature's account must be reckoned with.

Most of the diseases in fowls are colds and indigestion or the effects of these. If fowls' eyes are watery and discharge is noticed from the nose and a wheezing noise is heard upon going into their sleeping quarter at night, they have taken cold and extra care should be taken to keep them out of drafts and very cold temperature until they are better. Camphorated lard is good rubbed on the bill and head for very bad cases. Most all of the roup cures are good for cold, for roup is only a cold that has become chronic.

Indigestion is known by dark color of the comb, drooping of wings and watery condition of droppings. It is best cured by confining the sick fowl by itself and giving it light food, preferably bread crumbs, grit and water.

Crop-bound fowls can be cured by giving no food—only grit and water for twenty-four hours and give the overloaded crop time to get rid of its undigested food. Care must be taken to get them accustomed gradually to their usual food else they will be sick again.

Limberneck is a disease that is beyond medicine. It is a nervous disease caused by high feeding for growth or eggs and too little exercise and fresh air.

Bumble-foot is caused by a poor system of roosts, either having them placed too high from floor or perches too large to allow hens' toes to clasp about the roost naturally. When pus forms in the foot it should be squeezed out and cleansed with peroxide or diluted carbolic acid.

Colds in a fowl's head will sometimes settle in the eyes and after a time cancerous growth appears. At a certain stage they can be removed and treated with a carbolic acid solution.

But as I said before, prevention is a better use of one's time than doctoring. But even with the best of care there will be an occasional sick fowl and one dislikes to see them suffer without trying to alleviate their distress. There is always one last resource—the axe—and that is best when other remedies fail. If a fowl cannot get well it should be mercifully killed and such carcasses should be buried deep or else burned.

It is a pleasure as well as a profit to care for a flock of healthy, well-bred fowls. It pays to be interested in one's work and to delight in caring for and making the fowls comfortable. It may even save one's life.

A friend of mine instead of having poultry culture for a fad took up snake culture. He had one big shiny fellow whom he specially cared for and petted and it was allowed to sleep in the house. One night a burglar, masked and armed, stealthily entered the house and proceeded to appropriate the silver, jewels and money. He was safely making his exit with the spoils when the pet snake silently enfolded the burglar in his sinuous folds and held him fast while he stuck his tail out of the window and called a policeman.

The moral is obvious: Be wise in time.—Poultry Item.

THE SUPREMACY OF THE PUREBRED FOWL.

Purebred Fowl Vigorously Defended by One Who is Working in Behalf of a Bigger and Better Poultry Industry—Regrets that the Individual Record for Egg Production is Held by a Cross-bred Hen—Sees Nothing but Mongrelism in Cross-breeding—The Large Buyers of Live Poultry for Commercial Use Favor Purebred Fowls.

By T. E. Quisenberry, Director of Missouri State Poultry Experiment Station, Mountain Grove, Mo.

FROM the jungle fowl of antiquity to the highly-developed Standard-bred fowl of today, marks an era of progress which has required years and generations of careful selection and breeding. Whereas the jungle fowl hen laid less than three dozen eggs per year, the modern pure-bred hen that lays 200 and more eggs a year is no longer rare. One hundred pure-bred hens at the Missouri State Poultry Experiment Station last year laid from 200 to 260 eggs each.

We are told on good authority that the average farm hen lays in the neighborhood of seventy-five eggs per year, or about twice the yearly production of the ancient jungle fowl. The average farm hen, sad to relate, is a scrub or mongrel hen, but a step removed from the jungle fowl, and not nearly as handsome. That she lays any more eggs than her progenitor is probably due to the fact that she lives under more favorable circumstances and has at least a trace of pure blood in her veins.

From the above, the reader may have already surmised that I have a deep personal grudge of long standing against every hen and her brother, who are unable to look the world squarely in the eye and proclaim vociferously that they are pure-bred Plymouth Rocks, or Wyandottes, or Leghorns, or some other of our many excellent breeds of poultry. Like the Missouri

mule, they are "without pride of ancestry," and, like him, I would that they might also be "without hope of posterity."

Scrubs Intolerable.

If there is a single local reason why a single scrub hen should be tolerated on a single farm in this broad land of ours, I have been unable to locate it. Take for instance the matter of egg production. Seven hundred hens at the Missouri Poultry Experiment Station last year averaged 143 eggs each, or twice the average of the ordinary hens. These 700 were all pure-bred and represented twenty varieties, some of which are neither intended nor adapted for egg production. Yet the average of all of them was twice that of the average farm hen. I consider it well within the bounds of reason to say that if all the hens in the State of Missouri were pure-bred, that fact alone, if neither the present methods of housing, care or management were improved, would add not less than \$20,000,000 a year to the income of the poultry raisers of this State. What would be the result of banishing the scrub hen from all the State? I am not mathematician enough to compute.

Crossing Purebred Varieties.

"What about crossing two pure-bred varieties in order to increase egg production?" I hear someone suggest. I am immediately reminded of the now famous Oregon hen, which recently laid 303 eggs in one year from the day she laid her first egg. No one can be more willing than I to give "honor where honor is due," and to Prof. Dryden is certainly due great honor for having produced this wonderful living "egg machine." "My hat is off to Prof. Dryden, and my hand is outstretched to congratulate any one who can pull off a stunt like his whether it be with a cross-bred or even a dunghill or a what not, but I have no words with which to express the

egg yield and breed 300-egg hens, that it will be necessary for us to do so by cross breeding. Some of the foreign birds which have been making great egg records look as if they might have been cross-bred, but in spite of their belief and in spite of the evidence which we see in foreign birds of high laying strains, it must yet be proven that pure-bred poultry cannot be so selected and bred that it will not equal or surpass any record ever made or which is possible to be made by any scrub, mongrel or cross-bred hen. The fact that we have made such wonderful progress from the days of the jungle fowl to the present moment with our many varieties of pure-bred poultry, convinces me that proper methods and systems of selection and breeding of pure-bred poultry will equal and outstrip anything that will be possible with scrubs or cross-breeds. We believe that it is entirely possible to break the world's records and still stay wholly within pure-bred lines; in fact, no scrubs or cross-bred hen has yet approached the record of the venerable I. K. Felch's Light Brahma, a pure-bred pullet which laid 313 eggs in one year and which fact was mentioned in his 1913 mating list. Mr. Felch is the father of the pure-bred poultry business in this country, and no one dares dispute his veracity, I am sure. No cross-bred has yet equaled the record of this pure-bred pullet.

The exception record which this Oregon hen has made, and the publicity to which such a record justly entitles her, cannot fail to lead to a large amount of cross-breeding throughout the country. Ninety-nine one hundredths of it will be indiscriminate crossing, and as large a proportion of it will decrease rather than increase egg production. Crossing two pure-bred varieties is the first step towards creating a mongrel. Take the second step, make the second cross, and continue, and—behold your scrub! Yet that is exactly what takes place in an overwhelming majority of cases, where the first cross is made. It is a practice which we, in Missouri, are combatting with all our energy, because it is costing our poultry raisers millions of dollars a year in profits.

Advantage of Purebred Hens.

From the standpoint of profitable egg production, pure-bred hens have another great advantage over their cross-bred half sisters and scrub cousins, namely that of uniformity of product. In selling eggs on a quality basis, a practice which is coming rapidly, a much higher price is paid for eggs which grade "firsts." They must be large, fresh, naturally clean, and uniform in size, shape and color. Eggs from cross-breds and mongrels are not uniform in size, shape or color, while those from pure-bred hens are more nearly so as a rule. Neither are nearly as large a proportion of them large enough to grade "firsts." In view of these facts, it would seem to be a logical conclusion that for profitable egg production, the pure-bred hen stands supreme.

A Common Argument.

Another argument commonly advanced as an excuse for crossing two varieties of pure-bred poultry is that the crossing increases the constitutional vigor of the progeny—in other words that pure-bred poultry is deficient in constitutional vigor. The cause usually assigned for this deficiency in constitutional vigor is that breeders, in their efforts to breed their birds to the Standard requirements of shape and color markings, have resorted to the practice of in-and-in breeding to such an extent as to materially impair the constitutional vigor of the offspring. While this may be true, and doubtless is, in certain strains of the various varieties, it is widely aside the mark to lay it down as a general rule. Scores of breeders of the various varieties are breeding strains as strong in constitutional vigor as could possibly be wished for. If one wishes to increase the constitutional vigor of his flock, he can introduce new blood of the same variety which is no more related to his birds than though it was the blood of another variety.

Even if cross-breeding did increase egg production or did increase vitality, it would still be necessary for someone to breed pure-bred poultry or else we could do no cross-breeding. You have got to have your pure-breds before you can get your cross-breds. If you are going to encourage cross-breeding and discourage pure-breds then where will the fowls come from to do your cross-breeding? Let's not drift back to the days of the razorback hog, the long-horned Texas cow, and the dunghill hen. Let's stay by and encourage the Berkshire and the Poland China; the Jersey and the Hereford; the Plymouth Rock; the Leghorn, and other pure-bred hens.

The whole idea of crossing two varieties to increase constitutional vigor is based on a fallacy. If I mate a bird whose constitutional vigor is 40 per cent perfect with one whose constitutional vigor is 80 per cent perfect, part of the chicks will have the 40 per cent constitutional vigor of one parent, part of them will have the 80 per cent constitutional vigor of



KAN'T BEATER

R. I. Red Female Bred and owned by J. M. Springer, Stillwater, Okla., see his advertisement in this issue.

sorrow which I felt, however, upon learning that she was a cross-bred hen. I believe he could have produced as good results without having made the cross. In other words, I feel pretty sure that this hen made a wonderful record because of other principles involved in his method of selection and breeding and not because of the fact that this hen was a cross-bred hen.

Wrong Impressions.

From some of the statements which I have seen quoted and credited to Prof. Dryden, and some statements I have heard others make, I have been led to feel that they believe that if we expect to continue to increase our

the other parent, but more of them will have 60 per cent, or the average of the constitutional vigor of the two parents. Regardless of whether the two parents represent the same or different varieties. If, as is argued, the pure-bred varieties are deficient in constitutional vigor, there is absolutely nothing to be gained in crossing them. I have seen just as many chicks of poor vitality in mongrel flocks as I have in pure-bred flocks. Haven't you? I have seen just as many chicks of low vitality in cross-bred flocks as I have in pure-bred flocks. Haven't you?

A Preference for Purebred Fowl.

Occasionally someone advances the argument that crossing the pure-bred varieties produces a better marked fowl. In order to ascertain the feeling of those who are in closest touch with the market poultry business in this regard, we last spring mailed out 250 letters to as many poultry buyers, scattered throughout State—men who buy millions of dollars' worth of market poultry every year, asking them which they preferred, mongrel chickens, cross-breds, or pure-breds for market purposes. The replies came back unanimously in favor of the pure-breds. In fact, there is so great a difference in the quality that many of these buyers are going to offer a premium of from 2 to 4 cents per pound in pure-bred poultry, in addition to the current quotations during the coming season. They claim that they can sell the pure-bred poultry for enough more on the city markets to warrant them in offering the farmers extra inducements to produce that kind. They claim pure-breds fatten easier and dress up much nicer. These men know. There is no sentiment with them. It is a matter of cold dollars and cents. Their verdict should be taken as final, and we seem to be justified in drawing the conclusion that for market purposes, the pure-bred fowl is supreme.

SUGGESTIONS ON POULTRY RAISING FOR THE SOUTHERN FARMER.

Prepared in the Bureau of Animal Industry, and intended for farmers in the cotton belt who desire to diversify their farming because of the economic crisis which adversely affects the cotton crop at this time.



HE Southern farmer, by virtue of his location and climate, is splendidly situated for the production of fowls and eggs. The mild winters and early springs make the production of eggs an easy matter when prices are high.

On many farms throughout the country the money derived from the sale of poultry and eggs buys the groceries and clothing for the entire family. Every Southern farmer can do as well, and should aim to keep at least 50 hens for laying purposes and home consumption. Select some of the American breeds, such as Plymouth Rocks, Wyandottes, or the Rhode Island Reds. The Orpingtons are also a good general-purpose breed.

Housing the Poultry.

On almost any farm there can be fitted up, with very little, if any, cost for new material, a poultry house that will answer all the purposes of more expensive buildings for keeping poultry. The essentials to success in housing are fresh air, sunshine, a dry floor, and a building that is free from drafts. The house must be free from drafts or the birds will catch cold. Colds are forerunners of roup and other diseases.

Feeding the Flock.

It takes a healthy, well-fed flock to produce eggs. Fowls must not be allowed to become too fat, as but few eggs will be laid by hens in such condition. To prevent their getting overfat, it is best to make them work for most of their feed by scratching in a litter composed of about 4 inches of dry straw, leaves, or chaff. The following rations will give good results when proper care is given to their feeding:



One of the long breeding and laying houses on Densmore Poultry Farm, Roanoke, Va.

Grains.

| | Mash. |
|--|--|
| 1 pound oats | 2 pounds corn meal. |
| 2 pounds corn | { 1 pound rice bran or wheat bran. 1 pound cottonseed meal. |
| 1 pound oats | 2 pounds corn meal. |
| 2 pounds corn, kafir corn, or milo maize | { 2 pounds rice bran. |
| 1 pound broken rice or peanuts | 1 pound cottonseed meal. |
| 1 pound oats | 2 pounds wheat bran. |
| 1 pound wheat or barley..... | { 2 pounds wheat middlings. |
| 1 pound corn or kafir corn..... | { 2 pounds corn meal or corn chop. 1½ pounds cottonseed meal. |

Ten per cent or less of beef scrap may be added to the mash in all of the rations with good results. Skim milk or buttermilk is excellent for poultry. Green feeds, such as cabbages, mangel beets, alfalfa, or clover, should be added to these rations when grass is not available.

How to Set a Hen and Her Care While Setting.

When it is noted that a hen sits on the nest for two or three nights in succession, she is ready to be transferred to a nest, which should be prepared for her beforehand. This nest should be in a box and composed of straw, hay, or chaff for nesting material. Dust the hen thoroughly with insect powder each week while she is sitting. In applying the powder hold the hen by the feet, head down, working the powder well into the feathers, giving special attention to regions around the vent and under the wings. The powder should also be sprinkled in the nest. This nest should be in some quiet, out-of-the-way place on the farm, where the sitting hen will not be disturbed. Move her from the regular laying nest at night. Put a china egg or two in the nest where she is to sit and place a board over the opening so that she can not get off. Toward evening of the second day leave some feed and water and let the hen come off the nest when she is ready. Should she return to the nest after feeding, remove the china egg or eggs and put under her those that are to be incubated. In cool weather it is best to put not more than 10 eggs under a hen, while later in the spring one can put 12 to 15, according to the size of the hen. If eggs become broken while the hen is sitting, replace the nest with new, clean material, and wash the eggs in lukewarm water so as to remove all broken-egg material from them.

Testing the Eggs.

Many eggs that are laid are infertile. For this reason it is advisable to set several hens at the same time. After the eggs have been under the hen for seven days they should be tested to see whether they are fertile or infertile. Infertile eggs should be removed and used at home in cooking or for omelets, and the fertile eggs should be put back under the hen. In this way it is often possible to put all the eggs that three hens originally started to sit on under two hens and reset the other hen again. A good homemade egg tester or candler can be made from a large shoe box, or any box that is large enough to go over a lamp, by removing an end and cutting a hole a little larger than the size of a quarter in the bottom of the box, so that when it is set over a common kerosene lamp the hole in the bottom will be opposite the blaze. A hole the size of a silver dollar should be cut in the top of the box to allow the heat to escape. An infertile egg, when held before the small hole with a lamp lighted inside the box, will look perfectly clear, the same as a fresh one, while a fertile egg will show a small dark spot, known as the embryo, with a mass of little blood veins extending in all directions if the embryo is living. The testing should be done in a dark room.

Care of the Hen and Chicks.

If the eggs hatch unevenly, those which are slow in hatching may be placed under other hens, as hens often get restless after a part of the chickens are out, allowing the remaining eggs to become cooled at the very time when steady heat is necessary. Hens should be fed as soon as possible after the eggs are hatched, as feeding tends to keep them quiet; otherwise many hens leave the nest. In most cases it is best that the hen remain on the nest and brood the chickens for at least 24 hours after the hatching is over. Chickens hatched during the winter should be brooded in a poultry house or shed while the outside weather conditions are unfavorable; after the weather becomes settled, they should be reared in brood coops out of doors. Brood coops should be made so that they can be closed at night to keep out cats, rats, and other animals, and enough ventilation should be allowed so that the hen and chicks will have plenty of fresh air. Hens will successfully brood 10 to 15 chickens early in the breeding season, and 18 to 25 in warm weather, depending upon the size of the hen.

The hen should be confined in the coop until the chicks are

weaned, while the chicks are allowed free range after they are a few days old. Where hens are allowed free range and have to forage for feed for themselves and chicks they often take them through wet grass, where the chicks may become chilled and die. Then, too, in most broods there are one or two chicks that are weaker than the others and if the hen is allowed free range the weaker ones often get behind and out of hearing of the mother's cluck and call. In most cases this results in the loss and death of these chicks, due to their becoming chilled. The loss in young chicks due to allowing the hen free range is undoubtedly large.

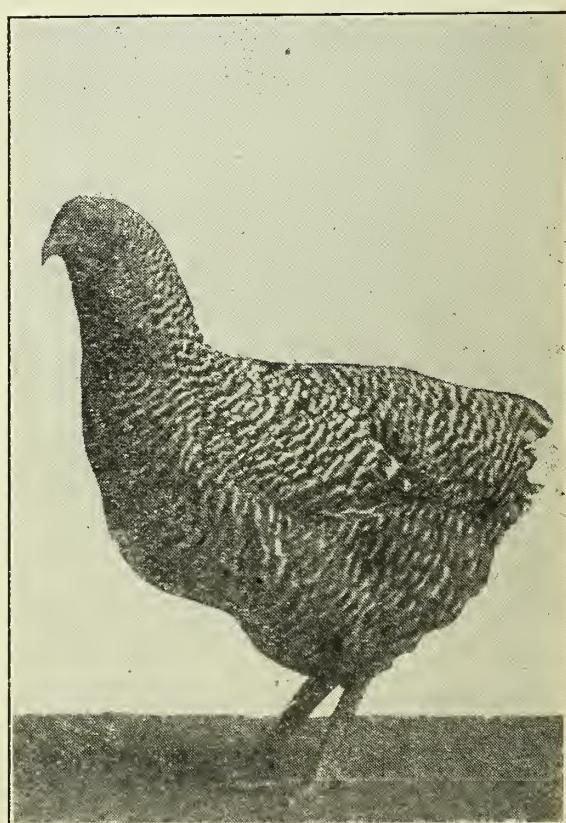
Chickens frequently have to be caught and put into their coops during sudden storms, as they are apt to huddle in some hole or corner where they get chilled or drowned. They must be kept growing constantly if the best results are to be obtained, as they never entirely recover from checks in their growth even for a short period. Hens should be left with the chicks as long as they will brood them.

Feeding Young Chickens.

Young chickens should be fed from three to five times daily, depending upon one's experience in feeding. Undoubtedly chickens can be grown faster by feeding five times daily than by feeding three times daily, but it should be borne in mind that more harm can be done to the young chickens by overfeeding than by underfeeding, and at no time should they be fed more than enough to satisfy their appetites—and to keep them exercising—except at the evening or last meal, when they should be given all they will eat. Greater care must be exercised not to overfeed young chicks that are confined than those that have free range, as leg weakness is apt to result.

The young chicks may be fed any time after they are 36 to 48 hours old. The first feed may contain hard-boiled eggs, johnnycake (1 dozen infertile eggs to 10 pounds of corn meal; add enough milk to make a pasty mass, and 1 tablespoonful of baking soda), stale bread, pinhead oatmeal, or rolled oats. Dry bread crumbs or rolled oats may be mixed with hard-boiled eggs, making about one-fourth of the mixture eggs. Feed the bread crumbs, rolled oats, or johnnycake mixtures five times daily for the first week, then gradually substitute for one or two feeds of the mixture finely cracked grains of equal parts by weight of cracked wheat, cracked corn, and pinhead oatmeal or hulled oats, to which about 5 per cent of cracked peas or broken rice and 2 per cent of charcoal, millet, or rape seed may be added. A commercial chick feed may be substituted if desired. The above ration can be fed until the chicks are two weeks old, when they should be placed on grain and a dry or wet mash mixture. Mashes mixed with milk are of considerable value in giving the chickens a good start in life, but the mixtures should be fed in a crumbly mass and not in a sloppy condition.

As soon as the chickens will eat whole wheat, cracked corn, and other grains, the small-sized chick feed can be eliminated.



"ELEANOR"—Special Best Pullet by Member of Club, Owensboro, Dec. 1-5, 1914. Bred by C. E. Carpenter, Owensboro, Ky.

In addition to the above feeds the chickens' growth can be hastened if they are given sour milk, skim milk, or buttermilk to drink. Growing chickens kept on range may be given all their feed in a hopper, using as a grain mixture two parts by weight of cracked corn and one part of wheat, and for a mash mixture any of those given for laying hens. If beef scrap is to be fed, it is advisable to wait until the chicks are 10 days old. Chickens confined to small yards should be supplied with green feed, such as lettuce, sprouted oats, alfalfa, or clover, but the best place to raise chickens successfully is on a good range where no extra green feed is required.

Some Poultry Hints.

Allow the hens free range. Wire in the garden, not the hens. Stronger fertility is secured from birds on range.

Remove the male birds from the flock as soon as the hatching season is over, so as to produce infertile eggs.

Infertile eggs are produced by hens having no male birds with them.

Infertile eggs keep much better than those that are fertile. The male bird has no influence on the number of eggs laid.

The hen's greatest profit-producing period is the first and second years.

February and March are the best hatching months. Chicks hatched during these months are freer from sore head than those hatched later.

Do not allow sitting hens to remain in the hen house. By so doing many eggs are started to incubate, which renders them unfit for use at home or to market.

If possible place the brood coops near the cornfield, which furnishes both shade and fresh ground.

The free use of kerosene or crude petroleum on the roosts, dropping boards, in the cracks, and around the nests will exterminate mites.

Whitewash is also good.

Spray the brood coops once a week with some of these solutions and move to fresh ground.

Be sure and feed the table scraps to the fowls. Milk is one of the best feeds for egg production.

For additional information on poultry get in touch with your county agent and State agricultural college.

Write to the Department of Agriculture, Washington, D. C., for Farmers' Bulletins on poultry. They are free for the asking.

THE BLUE ORPINGTON AS A GENERAL PURPOSE FOWL.

Read What One of the Leading Southern Breeders Has to Say in Regard to This New Variety.

By Garvey McKee, Watertown, Tenn.

BLUE Orpingtons. This is a new variety of the Orpington family and we believe they will rank far ahead of the other varieties, as they are so suitable for city and country, for having a dark, slaty blue color, they do not show soot, dust, and etc, like the lighter varieties. In size they rank right in a class with the blacks. This variety was originated in England several years ago and since their arrival in America they have been breeding them to as near perfection as I believe it possible to breed them, so far as size and type are concerned. While there is yet room to improve in color, they are about as good in color as the other varieties. When this variety is brought up to perfection in color we will have the most beautiful breed yet produced. In the males we find they must have a dark slaty blue black, tail and hackle with a lighter under color and breast, and fluff must be well laced with a little black edging. Occasionally we will find breeders who do not know the breed well enough to get the best results from them as breeders and will produce a greater percentage of light blue chicks or splashed blue. We prefer to mate our dark males with the light females, and our dark females with the light males; this will produce a larger percentage of show and breeding birds than can be expected when both light males and females are used in the same yards, as their chicks will come too light in color; at least 25 to 50 per cent of them will. The Blues was among the most popular varieties in England before the great European war broke out, and we hope to see these breeders bring them up to a greater perfection and demand, yet they are still shipping them to this country and we are glad they are, for we need more of them in our country. They surely have a greater future before them than any other variety that we know of today. The Faverolles also have a good future ahead of them, our advice to those who have these two new breeds it not to sell off too closely but produce in 1915 as you have never done here-to-fore, as

there will be a still greater demand for these varieties than there is today, and none of the breeders are nearly able to supply the demand in stock or eggs at good prices. We want to warn those who wish to take up the breeding of these varieties, especially Blue Orpingtons, against cheap birds, as cheap birds in this variety are not of sufficient merit to breed from. Like the whites and other varieties were when first introduced into America, there is such a demand that some breeders sell an inferior quality at very good prices, sometimes reaching \$10.00 each. We would advise anyone to get a \$50.00 or \$75.00 trio or a \$75.00 or \$150.00 pen from a reliable breeder and he can usually depend on these to produce some exceptionally good birds.

In 1911 there were exhibited at the Crystal Palace Show, London, England about twenty Blue Orpingtons, one of these winning special gold medal, challenge cup and an international trophy for best Orpington in the show (Buff's excepted) beating four hundred and thirty-five other Orpingtons.

In 1912 there were exhibited at the same show about one hundred and twenty. Again a Blue Orpington won cup for best Orpington in show. In 1910 the first Blue Orpingtons were exhibited at Madison Square Garden, New York, being two in number, in 1911, at the same show nine were shown. In 1912-13 sixty were shown. This will give you some idea as to their quality and popularity and I say again that they need to be put before the public. Let the people know about a good thing when we have it. We hope they will be admitted to the Standard of Perfection next year as they certainly deserve it. I am not sure but I have been told that they will be admitted.

They mature very quickly, reaching broiler size at eight weeks, and are exceptionally good layers and very hardy. They were produced from the Orpington family, containing the blood of the following varieties: Spangled, Cuckoo, Black and White Orpingtons. They far excell the other varieties, and are more active than the Blacks, producing many more eggs in a year than the Blacks in my experience. Introducing new blood into this new variety does not effect it in the least, as far as color is concerned. While I always prefer line breeding I think it gives us much finer specimens in type, size, and bone and in some varieties better color. There are some breeders who do not believe so much in line breeding and for these I believe they could not do better than to select the Blue Orpington, eliminating all trouble of keeping records and pedigrees of the stock. A pedigree is, however, a good thing and aids in selling many birds that we could not sell without it, and a bird bred from a string of winners for several years is worth much more than a bird from an accidental winner, as we know you can breed a fine winner from a cull. But this is a very unusual occurrence, and the offspring of such will not be as good as the parent stock, and then what? We want good birds with a pedigree, so their offsprings will far excell the parent stock each year, so we can keep on winning. If the great war does not come to a close in Europe in the near future we will not be able to secure any show birds from there, and the breeders in this country will be flooded with orders for stock and eggs, but unable to fill a great portion of them, for you are aware of the fact that there are thousands of Orpingtons imported to this country each year and breeders who import are looking for the best that money can possibly buy and England is always willing to sell the best for the price. And now Mr. Fancier you had better give this a thought, or you will be selling your best to some one else at a reduced price, on account of feed stuffs being a few cents higher per 100 pounds than it was last year and the first thing you know you will be selling your stock from your past winning record and not able to produce winners as you were last season.

Feed is but a little higher, if any, than it was last year. I know whereof I speak, for I live right here on the farm. Wheat is selling at one dollar and ten cents per bushel and corn three dollars per barrel, while last year wheat sold for \$1.00 per bushel and corn sold for \$3.50 per barrel, an increase of ten cents on wheat and ten cents decrease per bushel in corn.

I have been reading and hearing the people crying out "war, war, war causing high prices." It is not that at all; it is the scarcity of stock, and too many people leaving the country and going to the city.

We deal in stock as well as poultry, and hogs are cheaper than they were last year. Let me say to you poultrymen and stockmen, everything will be higher here in 1915 than it ever has been, all these warring nations must eat and they are going to be able to produce very little, if anything next year and therefore they will be compelled to call on America for her supply, even if the war should come to a close right now; and there is but little hope of it closing for some time.

SUBSCRIPTIONS—One year 50c. Three years \$1.00. Foreign subscriptions 75c. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. THIS IS IMPORTANT. New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

CORRESPONDENCE—We cordially invite letters and articles from all our readers on any subjects of interest or value to the poultry industry. Send in some matter; your experience and observations may be just what some one may be looking for and save them from mistakes and losses you have suffered in the past. If you have something to tell our readers, don't fail to send it in. This is your journal; make good use of it and help to make it useful to others.

KEEP THE GOOD WORK UP.

THE Rhode Island Red Journal and the other specialty poultry journals have organized for the purpose of protecting themselves and their subscribers against unscrupulous advertisers. It has always been the aim of these publications to be in a class by themselves and now we are again setting the pace in the way of protecting our subscribers against unscrupulous advertisers. We will accept no advertisement unless we have absolute assurance that the advertiser is reliable. There are, however, a great many unscrupulous advertisers always watching every opportunity to prey upon the publishers and their subscribers, and in spite of our watchfulness it has sometimes happened that one of these sharks has found his way into our columns. However, by our new methods this will hardly be possible any longer, and the undersigned specialty papers have agreed to expose publicly all those advertisers who either refuse to live up to their contract with these publications or who have defrauded their subscribers. A man who will not pay his advertising bills is not a man to be trusted with an order, and beginning with the next issue, these publications will publish the names of all the advertisers from whom it is impossible to collect, or who have failed to make good with their customers.

RHODE ISLAND RED JOURNAL,
BARRED ROCK JOURNAL,
CAMPINE HERALD,
ANCONA WORLD.

This is certainly a good move, and we would like to see every poultry paper take such steps to rid the industry of these unscrupulous advertisers. It can easily be done if the publishers have enough nerve to call their hand. Any person who will try to get out of paying their advertising bills and deal with the publisher unfairly will treat their customers the same way. Our subscribers must have some protection against such people and we hope all poultry publishers will get together and put a stop to it. We will be glad to hear the opinion of other publishers.

MATE YOUR PENS THIS MONTH

DON'T delay mating your breeding pens another day, but get busy now and be prepared to get out a large number of early chicks for the demand for poultry and eggs will be greater than ever during 1915. There is a great demand and always will be for medium priced stock and eggs and especially among the farmers who are just



Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.

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WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

MISSING NUMBERS—It occasionally happens that numbers of our magazine sent to subscribers are lost or stolen in the mails. In case you do not receive any number when due, write us a postal, and we will cheerfully forward a duplicate of the missing number.

AGENTS WANTED—We want agents to secure subscriptions. Liberal terms and outfit sent on application.

ADVERTISING RATES—\$2.00 an inch. Flat liberal discounts on contracts paid one year in advance.

CLASSIFIED ADVERTISEMENTS—3 cents per word per issue. No advertisement accepted for less than 50 cents, cash in advance.

taking up the breeding of pure bred poultry.

At this time, the poultry business is now in its infancy, and the time is not far off when it will surpass the cotton crop in the South. There is never any trouble for the farmer in the South to dispose of poultry or eggs, so why should he devote his time and whole attention to raising cotton and other crops when he is not sure he can dispose of same after getting it ready to market. Then there is apt to be an over supply of these crops and the price is sure to be low. Did you ever hear of an over supply of poultry or eggs, and did you ever see the time that you could not turn same into cash and at a good price?

The farmers of the South can take a flock of hens and get greater profit out of them than he can from any other farm industry, figuring the amount invested. Start today and get you a few pure bred hens, and start the new year off right. See how many birds you can raise instead of how many pounds of cotton.

Remember Mr. Poultry Raiser, that 1915 will be the best year ever known in the poultry business. Get your pens mated early, and supply your customers with eggs and birds that will please them and give them good results. Let us all resolve that we will raise more poultry during 1915 and less cotton, and I am sure you will get greater profit and results than in any previous year. We wish you all a Happy and Prosperous New Year.

ELECTION OF KY. BRANCH, A. P. A.

WE PRINT below the newly elected officers of the Kentucky Branch as furnished by Election Commissioner Harris Lehman. We urge that every one even if you are not a member of the American Poultry Association lend their assistance and co-operation to the newly elected officers during the coming year and help them make this the best year the Kentucky Branch has ever had. If these newly elected officers get this co-operation,

great progress can be expected within the next twelve months.

Every person interested in the up-building of the poultry industry in Kentucky should join the American Poultry Association, this would not only boost the industry and membership of this branch but it would be of great benefit to you and help in many ways. Each member of this branch should try to secure one new member within the next year, this would double the membership and make us one of the strongest branches in the Association. The following officers were elected by members of the Kentucky State Branch of the American Poultry Association for the coming year: C. C. Loomis, St. Matthews, president; W. B. Buford, Nicholasville, 1st vice-president; J. J. Hooper, Lexington, 2nd vice-president; J. Gaylord Blair, Louisville, secretary; Mrs. Walter Kenney, Paris, treasurer; W. E. Johnson, Mrs. J. R. Gibson, Richmond, members of the Executive Committee.

KENTUCKY STATE POULTRY SHOW, LEXINGTON.

January 4-9.

WE ARE pleased to announce the receipt of the handsome catalogue of the Lexington show, and publish below their announcement on page 6, which is self explanatory.

In November foot and mouth disease appeared among the cattle in our State. A strenuous campaign against that dreaded disease was waged by the Kentucky Live Stock Sanitary Board and an order was issued prohibiting the holding of poultry shows until the disease should be well in hand as it was feared poultry might disseminate the contagion if shipped from one place to another. Acting upon advice from that board it became necessary early in December to call off this poultry show.

However, under date of December 14, 1914, we received a letter from the chairman of the board, announcing that the disease was so well controlled that all restrictions were removed from holding this exhibition. Upon receiving that advice we hurried to publish the catalog and to pick up the work where it had been laid aside. This explanation will serve to indicate the cause of the delay in sending out the catalogs. We sincerely hope that every one will assist in making the show and the poultry meeting a success.

No charge is made for entrance at the door.

New coops will be used which will be furnished by the experiment station.

The great Armory show of Louisville formerly booked for Thanksgiving week, but later postponed to January, has been declared off for the season. On account of the size of this show, it was found impossible to carry out the plans in the face of the uncertainty of the quarantine restriction existing at the time of the association's last meeting. In view of this, we urge every breeder throughout the State to take advantage of the opportunity of showing a full string of birds at the Lexington show, which from its beginning has been a pronounced success. Farmer's Week is an ideal time for the Kentucky poultryman to show at Lexington. For further information address J. J. Hooper, head of the department, Lexington, Kentucky.

PENDLETON Pope, of the firm of Pope & Pope, well known Barred Rock breeders, died of Peritonitis, Friday, December 11. Mr. Pope enjoyed a wide acquaintance in poultry circles for years. He had been active in the industry; was a member of the National Barred Rock Club, the American Poultry Association, the Ohio Falls Fanciers Association, the Kentucky Poultry Association and was elected a member of the Executive Committee, Kentucky Branch of the A. P. A. only a few days before his death. The State loses one of its foremost poultrymen in the death of Mr. Pope.

NOTES AND COMMENT.

1915, we salute you! May you bring with you peace and happiness to all parts of the world. We wish every reader of The Industrious Hen a prosperous year, and to all who will grasp the opportunities as they knock at their door, success is sure to come.

Have you laid out your plans for the coming year? Are you planning for a greater and better business during the year 1915 than ever before? Only those who aim high ever reach high ideals. 'Tis better to aim high and fall a little short than to aim low and hit your mark. Your business will grow one way or the other during the coming year. It takes ambition to succeed in any line of business. If we work and plan ahead we are sure to succeed. If we cease to improve and grow, the other fellow will soon pass us by and we will be left in the back row. Spur up! Success will be yours if you do your part.

Do not show your best birds too much. Many a good bird has been ruined by being kept on the go from one show to another for weeks at a time. Showing is hard on a bird's health and if we want to use them as breeders, then we had better not over-do the thing in showing them.

It is now time to mate up your pens of breeders. Don't go at this work in a hurry and in a haphazard way, but take your time and study your birds. If your male bird is "off" in some section, then try and have females to mate with him that are strong in this particular section, and vice versa. If you hope to raise prize winners you must mate your birds correctly. If you do not know how, then it will pay you well to get some one who does to do the work for you. Probably there is a

poultry judge somewhere near you that you could secure the services of for a short while to assist you in this very important part of the season's work.

Hatches for early chicks should be started soon. The cockerels can be sold at a good price in the spring and the pullets will begin laying next fall when eggs are scarce and high. Of course it is too early to hatch the smaller breeds yet.

Don't delay buying the male bird which you are going to need to head one of your pens. The longer you delay the higher the price will be, and the fewer birds will the breeders have from which to make the selection. And above all things do not buy a cheap bird just because you can get him cheap, the quality of the stock you get from him will also be cheap. An extra good male bird should be chosen even if he does cost a little more, for the difference in the quality of the young stock will offset the difference in price of the male bird many times.

Look up the incubator ads in this issue and send for their free catalogues.

Turn a new leaf if you have never advertised in The Industrious Hen, now is a mighty good time to make the start.

The supply of green food is probably running short on some farms. If you have no green feed you had better resort to sprouted oats, for your birds absolutely must have some sort of greens to give you the results that you would like to get. If you have a good supply of green feed you have the battle half won. Remember that the more green feed we use the more eggs we will get and the stronger will the chicks be that are hatched from them.

The Western North Carolina Poultry Association which held its annual show in Shelby, December 1, 2, 3, 4, 1914 was one of the best quality shows ever held in the State. There was about seven-hundred birds cooped. The quality in nearly every class was wonderful. The S. C. R. I. Red class was the best ever seen in the South. Judge H. B. Lansden who judged the class pronounced it the best that he had ever seen and he is one of the foremost.

Judges in the South. White Orpingtons were a beautiful class, the quality being grand. Langshans, Leghorns, Wyandottes and Rocks were large and beautiful classes. R. L. Simmons, of Charlotte, N. C. and H. B. Lansden, of Manchester, Tenn., placed the awards to the entire satisfaction of all, and this is "some job" where the quality was as good and the competition as keen as was the case there. A pen of chickens was given to the lucky person every afternoon and night of the show and a chicken eating contest by three negroes was also pulled off every night. These proved great drawing cards and the attendance was better than ever before.

We expect to visit the big Charlotte, N. C. show, December 30, 31 and January 1, 2, and hope to give our readers a write-up of this big show.

D. R. McBRAYER.



Insures Clean Fowls — Larger Profits

It has been the Standard Lice-Killer for over 30 years—the standby of Successful Poultry-keepers. Easily used, absolutely safe, sure and quick in results. Most economical because it goes farthest. Try it and see young fowls grow faster and hens lay. Prices \$1.00, 50c, and 25c per Package. Sample 10c. If not at your dealers; send direct. "Secrets of Success with Poultry" by D. J. Lambert for 2c stamp. Address

THE KLEIN-LAMBERT CO., 434 Traders Bldg., Chicago



Every Chick a Live One

—the Rancocas Guarantee

Rancocas day-old chicks are full of vitality—the product of vigorous, thrifty breeding stock from the "Million Egg Farm," largest in the world. We guarantee 100 per cent safe delivery to your express station. Rancocas chicks live and thrive!

Rancocas Hatching Eggs

Eggs from Rancocas S. C. White Leghorns—the world's finest laying strain. 100 per cent fertility guaranteed—a strong germ is assured. Write for free book and prices.

RANCOCAS POULTRY FARMS
Box 633 **Browns Mills, N. J.**

REGAL WHITE WYANDOTTE BOOK

I have just received from the printers another edition of my book on White Wyandottes. It contains 60 pages, and is, without doubt, the most complete book that has ever been published, dealing wholly with the White Wyandotte. It is full of illustrations from life, and its pages deal with a variety of subjects, including chapters on Origin, Description, Feeding, Care of Breeding Stock, Fertility, Color Characteristics, Washing and Fitting for Exhibition, Poultry Diseases, etc.

My object in issuing this book is to bring to the attention of every White Wyandotte breeder the Regal Strain, America's finest White Wyandottes. The magnificent winnings of this strain at the leading shows have never been equaled. New York State Fair, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914—forty-seven blue ribbons out of a possible fifty-four.

In 1913 my birds established a new record for the Boston Show in White Wyandottes, by winning Best Display with a score of seventy-two points which was twelve more than my twenty-one competitors combined. My customers all over the country have established records just as good.

Would you like such a record? Then breed the Regal Strain.

Three thousand cocks, hens, cockerels and pullets for sale—3000.

SPECIAL—200 exhibition cockerels and 400 beautiful pullets ready now to win the blue ribbon for you. One hundred well matured cockerels from my heavy laying Dorcas line, \$10, \$15, \$20 and \$25 each. Dorcas pullets, \$3, \$4 and \$5 each. Stay-white utility cockerels, \$3 and \$5 each.

Send one dime for the REGAL WHITE WYANDOTTE BOOK. The information it contains will be worth dollars to you.

FREE: My catalogue and mating list is free if you will send me your name.

JOHN S. MARTIN,

Box 911

Port Dover, Canada



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

Poultry on Farms.

Agriculturists have too long neglected the claims of poultry. Many of them who have listened to advice, and have honestly tried to do something to make their fowls a more profitable feature, have stopped short on their road of progress and drifted back into the old condition of indifference. As a reason for this they state that they cannot find among their laborers men or lads sufficiently interested or intelligent properly to look after the fowls. I do not wish to make any comment as to whether this argument is right or wrong, but I do say that today it is out-of-date. Today we have automatic feeding appliances which completely solve this problem for our farmers. It is up to them to tackle the question anew under modern conditions. The opportunities for profitable poultry-keeping on farms have never been so sure as they are today. Now is the time to take the matter up seriously.

Of course the people who have not raised any young stock are usually city lot poultry raisers who had as many hens as they wanted to keep, and concluded "not to bother with little chicks this time." The result was that when their hens went into the moult they had to feed them through a long period when they "were not getting a single egg," and that is not only discouraging to the owner of the birds but gives the whole business a black eye. Needless to say, the right way to keep up a steady supply of eggs is to raise a certain number of pullets each year, and keep over only the best of the year-old hens. Beyond the second season it is advisable to keep none unless they were very exceptional birds.

The mistake is often made of attempting to produce eggs from cross-bred stock instead of pure-bred fowls. In the long run, birds continually cross-bred possess no characteristic superior to that of pure-bred birds. Standard poultry should be used because there is: 1, More reliability in breeding; 2, a larger egg production from the egg breeds; 3, an improved quality of meat in the meat breeds; 4, a uniformity in size, shape and color of the eggs; 5, more attractiveness in appearance; 6, but a slightly greater initial cost than that for mongrels; 7, no greater cost of keeping; 8, a more efficient use of the food consumed; 9, a good demand for stock and eggs for breeding; 10, always a greater selling value.

American Eggs for Allied Armies.

Boston daily papers of November 6th mentioned a large shipment of eggs on the Anglican for the use of the troops of the allies in France. As is too often the case with newspaper items, the details are obviously inaccurate. It is said that the shipment contained 80,000 cases with a total of 2,880,000 eggs and was valued at \$30,000. This indicates 36-dozen cases instead of the regulation 30-dozen case used in domestic trade. The eggs were said to have come from the West and to have made 23 carloads. It would appear that for 80,000 we should read 8,000. At that the value given would be only \$3.75 per 36-dozen case, or a little over 10 cents a dozen, which is less than half the lowest wholesale quotation on refrigerator eggs at Chicago at that date.

Of interest to poultrymen is the fact that the Anglican is commanded by Capt. Toozes, a well known breeder of

Rhode Island Reds and Buttercups, who has a large farm in England managed by his son, and who keeps a few fowls in quarters specially made for them with him on his voyages.

FARM FENCE

17½c. a rod for 47-inch stock fence; 26c. a rod for 50-inch heavy poultry fence. All Open Hearth Galvanized wire. Sold direct to the farmer on 30 Days Free Trial. Barb wire, 80-rod spool, \$1.45. Write for FREE CATALOG full of big bargains.

Interlocking Fence Co.
Box 36 Morton, Illinois.

BROWN POULTRY FENCE

DIRECT FROM FACTORY less than netting, lasts five times as long. Sold direct from factory, freight prepaid. Stock Strong. Chick Tight. Double Galvanized. Mail postal now for free catalog and sample to test.

The Brown Fence & Wire Co. Dept. 37, Cleveland, Ohio

POULTRY FENCE

48 INCHES HIGH
22½cts a rod
Stays 4½ inches apart. Line wires 1¼ inches at bottom to 3½ at the top. Goes up like farm fence.
27½cts a rod
for a 48-inch combined Poultry and Stock Fence. Lawn Fence 6c. a foot. Lowest Factory to Farmer prices. Catalog Free.

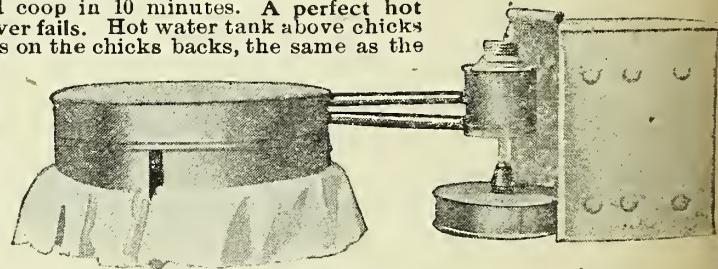
KITSELMAN BROS. Box 253 Muncie, Ind.

A BROODER THAT WILL TAKE CARE OF 30 TO 50 CHICKS FOR

\$2.50

Made of heavy No. 26 gage galvanized iron, strong and durable, can be put in any box or brood coop in 10 minutes. A perfect hot water heating system that never fails. Hot water tank above chicks that warms a flannel that lays on the chicks backs, the same as the old hen broods her chicks. Our FREE BOOK will tell you about 75 different articles we make as well as a 75 chick brooder for \$3.00, a 100 chick size for \$4.00. Send postal for this book today.

WENDELL INCUBATOR CO.
97 Main Street HOLLY, MICH.



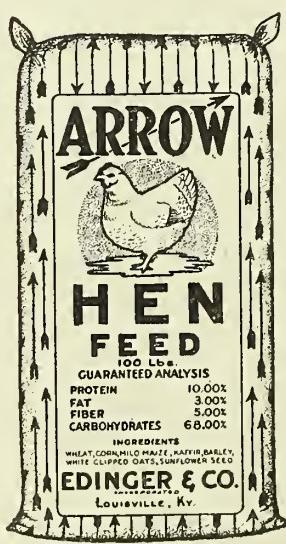
MAKE YOUR POULTRY PAY BIGGER PROFITS

If you want results, give your birds Arrow Brand Feeds. You will soon see the difference. We manufacture a complete line of Poultry Feed. We want you to send for samples and compare our brands with others. Then compare the prices.

WINTER EGGS

Winter Eggs bring the highest prices. If you feed ARROW BRAND you are sure to get the eggs. Here's where you figure your profits. Let us prove this by supplying you with your next order.

EDINGER & COMPANY 14th and Magazine Sts.
Dept. A. LOUISVILLE, KY.



DIXIES QUALITY STRAIN WHITE WYANDOTTES

Were the SENSATION of the great Tri-State Poultry Show, WINNING 24 out of 25 regular prizes in competition with Wyandottes from FIVE STATES. SWEEPSTAKES of \$75.00 in GOLD and numerous cash and cup SPECIALS. They also WON the week following at Jackson, Tenn., and FORT WORTH, TEXAS. Can furnish you GUARANTEED WINNERS for the hottest competition. Breeding cockerels that will produce heavy winter layers hatched from QUALITY MATINGS, \$2.50 and up.

CARRINGTON JONES,

BOX 145

BUNTYN, TENN.

pratts Poultry Regulator

How the Requirements of the Market May Be Responded to.

Farmers and other producers should at once realize that success in meeting the requirements of the markets enumerated can best be brought about by compliance with the following conditions, viz:

1. Their fowls should be of a variety that are as nearly all the year round money makers as it is possible to have them.

2. They should come from constitutionally strong and good egg-laying strains.

3. They should be good winter layers; moult in midsummer, and be of the best market types, so that their progeny will be the same.

4. To have the winter layer and flesh producer combined will necessitate a choice of one of the dual purpose or utility varieties, as described further on.

5. Should eggs only be required for selling at all seasons, except the molting period, one of the non-sitting varieties will answer the purpose.

6. In procuring eggs or stock the purchaser should carefully ascertain that they come from the best egg-laying strains and market types.

This is the season of the year when the flock should be culled and steps taken to reduce it to the proper number to carry through the winter. Only those birds should be kept that give some promise of being healthy and vigorous during the cold months and are likely to be egg producers. The young layers of the present season that are well formed, well colored, especially the combs, and are active in getting about for their food are birds of this sort. All fowls of the opposite type should be weeded out and fattened for the market.

Kellerstrass.

We have received notice that Miss Grace Kellerstrass was married to Mr. Harry Hector, of Fort Lauderdale, Florida, on October 14th at the Kellerstrass home in Kansas City, Mo. They will reside in Fort Lauderdale. Mr. Ernest Kellerstrass, who lately returned from a tour of the world, has taken up winter residence in South America, being accompanied there by his son, Robert Kellerstrass.

Don't fail to renew your subscription to The Industrious Hen. See your name on the wrapper as to when your subscription expires.

The American Light Brahma Club will hold its annual meeting in connection with the fourth annual exhibition of the Schenectady Fanciers Association to be held in the State Armory at Schenectady, N. Y., January 12-16. Substantial cash premiums will be awarded to first, second, third and fourth prize winners. A cordial invitation will be extended to Light Brahma breeders to send their birds and to attend in person. They want a large class of Light Brahmans at this show. Send for premium list to H. J. Fuller, Box 922, Schenectady,

The best New Year's Greeting you can give your poultry is a generous supply of Pratts Poultry Regulator throughout the year. They will repay you with *more eggs, perfect health, and strong vitality*. All of these are especially important right now with the beginning of a new hatching season only a few weeks off. Costs so little. Does so much. A 25-lb. pail only \$2.50 is the economical way to buy it. The \$1.00, 60c., 50c. and 25c. packages are generous in size.

Pratts ROUP REMEDY (Tablets or Powder)

Protects your poultry from Roup, Colds and the whole train of diseases which come with January thaws, February freezes, and trying winter weather, generally. Like all Pratt remedies, Pratts Roup Remedy is guaranteed both to prevent and cure, or your money back.

In \$1.00, 50c. and 25c. boxes.

Go to one of our 40,000 dealers or write us.
PRATT FOOD CO. Philadelphia, Chicago and Toronto

N. Y. If not a member of the Light Brahma Club send in your application at once to E. E. Banks, West Pembroke, N. Y.

If your subscription expires with this issue of THE INDUSTRIOUS HEN, you had better renew at once.

ANCONAS Layers unsurpassed: Farm raised and vigorous. Eggs \$1.50 per 15; \$3.00 per 50. Grown stock for sale at moderate prices. Satisfaction Guaranteed.

VINELAND POULTRY YARDS

TULLAHOMA TENNESSEE

SILVER WYANDOTTES

My birds are first in beauty and first in utility. Have competed for 129 prizes and won 121 in past four years. Can furnish winners for any show.

POPE M. LONG,

CORDOVA, ALA.

WHITE WYANDOTTES

Eggs for hatching from prize winning stock. Also a few nice cocks and cockerels for sale. I have won prizes at all of the shows that I have entered both this year and last. Write for mating list, FREE.

JOE AKERMAN,

Cartersville, Ga.

HATCH BY ELECTRICITY THE MODERN METHOD

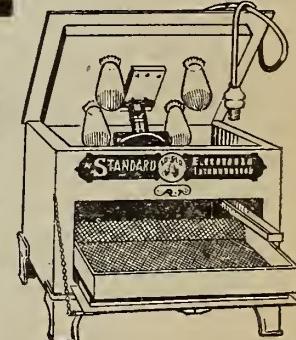
The "Lo-Glo" Incubators and Hovers are the final expression of the art of incubation. Absolute control of Heat, Moisture, Ventilation insures bigger hatchings of healthier, stronger chicks. Their all-metal construction makes them fire-proof, indestructible, dependable. They eliminate all smoke, smell, worry, chilling and overheating. Remain sweet and sanitary, making incubation a positive source of pleasure and profit. Chicks are stronger and surer of life, because of the vitalizing influence of electrical current upon the egg germ.

"LO-GLO" ELECTRIC HOVERS

Can be set indoors or out, merely a question of wire. Broods one or fifty thousand chicks better than "mother hen." All-metal construction, fire proof, sanitary and fill every possible requirement. Over-crowding impossible.

Keep up with the times and equip with the all-metal, no trouble, no worry, sure-to-hatch "LO-GLO". A trial will convince and convert you. Write now for interesting free booklet "O."

"LO-GLO" ELECTRIC INCUBATOR CO., (Inc.) 76 Greenwich Street. New York City, U. S. A.



You Make No Mistake When Feeding Shur-pleez to your Birds

A GOOD Chicken Feed is most important. It cuts into costs and increases your profits. Successful poultrysmen carefully look for the name *Shur-pleez* on the tag of each sack. They require the very best feed for their birds. *Shur-pleez* on the tag is your buy word.

RITTER-HENNINGS CO.
Incorporated

14TH AND MAIN STS. LOUISVILLE



We also have in Stock
KAFFIR CORN
BUCK WHEAT
COW PEAS
WHEAT, OATS
CORN, BRAN
REMEDIES
FOUNTAINS
SPRAYERS, FEEDERS

Kentucky Poultry Association News

Are you a member of the Kentucky Poultry Association? If not, why not?

Every breeder of poultry in Kentucky should be a member of this State organization. It helps boost your breed.

Other States have a fine branch and Kentucky should rank among the first.

By being a member it helps you in a great many ways.

The Kentucky Poultry Association offers cash prizes at the various shows to its members. To compete for these prizes one must be a member of the association.

Kentucky is one of the foremost poultry States in the Union, and the Kentucky Poultry Association has done its part to place the State at the top. The association is planning big work for the coming season, and you should put your shoulder to the wheel and do your part. The dues are \$1.00 per year. Send check today to J. Gaylord Blair, American National Bank Building, Louisville, Kentucky. With each new membership you will receive a copy of The Industrious Hen for one year. Identify yourself with the association and get in the line. We're class.



First Prize White Wyandotte Cock, Cartersville, Griffin and Chattanooga, 1914. Bred and owned by Joe Ackerman, Cartersville, Ga.

There will be a big meeting of the Kentucky Poultry Association in Lexington the first week of January, 1915. Don't fail to attend and tell all of your poultry friends about it. This meeting will be held in connection with the Kentucky Show. Send your best birds there, as a winning will be worth a lot to you.

Following is the program of this meeting:

Meeting of Kentucky Poultry Association, 10 A. M. January 6, 1915, at the Kentucky Agricultural College.

Address: President Harris Lehman, Midway, Ky.

Poultry Club Work in Kentucky: H. W. Rickey, Supervisor Poultry Clubs, Ky., Experiment Station.

Judging of Poultry: Theodore Wittman, Harrisburg, Pa.

What a Woman Can Accomplish in the Rearing of Poultry: Mrs. R. L. Willmoth, Rineyville, Ky.

Orcharding and Poultry Rearing: J. T. Milligan, Stithton, Ky.

Report of Secretary: J. G. Blair, Louisville, Ky.

Poultry Management: D. D. Slade, Kentucky Experiment Station.

Diseases of Poultry: Dr. Robert Graham, Kentucky Experiment Station.

Raising Turkeys: J. Kelley Lawrence, Shelbyville, Ky.

Visit to the poultry yards operated by the Kentucky Agricultural Experiment Station.



First Prize White Wyandotte Pullet at Chattanooga and Griffin, 1914. Bred and owned by Joe Ackerman, Cartersville, Ga.

White Wyandottes.

List of winnings of Joe Ackerman, of Cartersville, Ga., for 1914:

Bartow County Fair, Cartersville, Ga.—First, second and fourth pen, first and second cock, first and third hen, first, second, third and fourth pullet, sweepstakes prize for best pen and also best hen in show.

Georgia State Fair, Macon, Ga.—First and second cock, third hen, second and third pens, second cockerel.

Spaulding County Fair, Griffin, Ga.—First and second cock, first cockerel, first and third hen, first and second pullet, first and second pen, sweepstakes prize for best cockerel in show, sweepstakes prize for best ten birds in show.

Chattanooga, Tenn., Dec. 7, 1914.—First and fourth cock, second hen, first pullet, second cockerel, first pen, sweepstakes prize for whitest male in show.

Origin of Springer's "Kant Beatem" Strain Single Comb Reds.

Eight years ago J. M. Springer, of Stillwater, Okla., became interested in the Single Comb Rhode Island Reds. He immediately bought both stock and eggs from two of the most prominent breeders in the United States and subscribed for numerous publications on that breed, among them being "Rhode Island Reds: How to Breed and Judge Them," by Theo. Hughes, one of the best recognized authorities on Reds in the country. He read the publication religiously for the purpose of informing himself on the difficult question of mating, and has given careful attention to all detail. His success as a breeder has been proven time and again in the show room and out of it.

At the State official show at Enid last January he walked off with first and fourth cock, first and second hen, third and fourth pullet, fourth and fifth cockerel, first pen and shape and color special on female. At Muskogee in November and December he took second and seventh hen, third cockerel and third pen. Judge Van Winkle said his cockerel which he gave third place was one of the best in quality he had handled this year but was too young for that show. He sent his birds from there to the State show at Topeka, Kan., and in that show, after his birds having been cooped for twelve days he walked out with second and third hen, third pullet and color special on hen. It is almost an unheard of thing for a hen two years old to walk off with color special in competition with sixty-eight pullets, and all of them good ones, but that is what was done in this case.

Mr. Springer has just cause to be proud of the wonderful record made by his birds. They were the source of much comment in the show at Muskogee and Topeka. Such remarks as "They are the evenest lot of birds in color and most uniform in type I have ever seen," were often times heard from the visitors.

See his advertisement in this issue.

"Fine Chickens"

High Class Exhibition

White Orpingtons,

Eggs and Stock for Sale

Money back if not satisfied

W. A. ANDREWS - OPELIKA, ALA.

LICECIL Kills Lice

Put a few drops in nests and corners and hang bottle in coop. No painting, dipping or dusting. Powerful vapors penetrate feathers, cracks and crevices everywhere, destroying insects. Will not injure chicks. Send at once for free circular and letters from users of this wonderful compound. Bottle prepaid only 50 cents. Money back if it fails. Agents Wanted.

METZGER MFG. CO. DEPT. 42, QUINCY, ILL.

A Few Good Ones Remain

S. C. WHITE ORPINGTONS
CHRISTOPHER AND SWIFT R. NO. 13 JEFFERSONTOWN, KY

SPRINGER'S "KANT BEATEM" STRAIN S. C. R. I. REDS WIN AGAIN

How does this look to you Mr. Breeder? Compare this record with others, and will see that our Reds lead them all. At Enid last January, 1-4 cock, 1-2 hen, 3-4 pullet, 4-5 cockerel, FIRST pen, shape and color special female. At Muskogee November 30th to December 5th, 2-7 hen, 3 cockerel, THIRD pen. At Topeka, Kansas State Show, 2-3 hen, 3 pullet, color special on female. Our pens are headed by the following grade birds:—4 cock at Enid, 2 cockerel at Coliseum Show, in St. Louis, in November, 1 cockerel at Arkansas State Fair, 3 cockerel at Muskogee. Six big pens, with prize winning hens and pullets in every one of them. Eggs \$7.50, \$5.00, \$3.00 and \$2.00 per fifteen. Mating list on inquiry. 100 fine cockerels and 100 fine breeding pullets for sale. Exhibition birds priced on inquiry.

J. M. SPRINGER

STILL WATER, OKLAHOMA

Wisconsin Wins In Big Hatching Contests

130 Egg Incubator

130 Chick Brooder BOTH FOR

\$10 Freight Paid East of Rockies

180 Egg Incubator and Brooder \$12

Wisconsin Incubators won in 1910, 1911, 1912, 1913 and 1914 in National Hatching Contests—Thousands of machines competing. Catalog tells all about it—and why Wisconsins are winners. If ordered together—

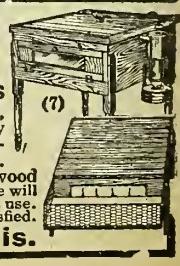
BOTH MACHINES \$10—Freight Paid East of Rockies

Wisconsins have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set-up, ready to use when you get them.

Incubators finished in natural color showing high-grade Calif. Redwood lumber we use—not painted to cover up cheap material. Send for catalog and we will send you a sample of the material, then you can compare it with the kind others use.

If you will do this we know you will order a Wisconsin. Money back if not satisfied.

Wisconsin Incubator Co., Box 60 Racine, Wis.



Cyphers Company's New Year Book for 1915
Now Being Mailed Free.

Many of our readers will be glad to learn that the 1915 edition of the Annual Catalogue and Poultry Guide of the Cyphers Incubator Company, Buffalo, N. Y., has been published and that a free copy will be mailed, postage paid and without obligation, to any reader of this journal who will write to the Cyphers Company for it, at the same time mentioning the fact that you saw their announcement in these pages.

An extra valuable feature of this 1915 Catalogue and Guide is the special attention it gives to "war time conditions and opportunities" in keeping poultry and producing eggs in the United States and Canada during the tremendous war of the nations in the old world. Here are the titles and sub-titles of two chapters that are devoted to this subject, one treating of the keeping of small flocks in door-yards or on city lots, the other pointing out how the most money can be made with domestic fowls on the average farm:

CHAPTER I. "Profits in Small Flock Poultry Keeping."—Possibilities of the small poultry flock; how to keep fowls without interfering with regular occupations; kind of fowls to keep and how to select the equipment; what lines to take up and how to market poultry products.

CHAPTER II. "Profits in Poultry Keeping on Farms."—The farm flock a money-maker; undeveloped possibilities for profit in farm poultry; how labor may be reduced and profits increased; numerous line of production that may be followed; ducks, geese and turkeys for profit.

The "Annual Open Letter," by Grant M. Curtis, president of Cyphers Incubator Company, has come to be a keynote to profitable poultry and egg production, at least in the case of thousands of Cyphers Company customers, and this year Mr. Curtis has "specially adapted his facts and recommendations to present

The Profits in Poultry Keeping

CYPHERS INCUBATOR COMPANY
BUFFALO, N.Y., U.S.A.

Manufacturers of
INCUBATORS, BROODERS, Poultry APPLIANCES,
FOODS AND STANDARD SUPPLIES

"CYPHERS COMPANY SERVICE"

war time conditions and the existing opportunities for poultry keepers in the United States"—so we are informed in a recent letter from the secretary of Cyphers Incubator Company.

"The Profits in Poultry Keeping" is the title of the 1915 Cyphers Company Catalogue and Guide. It consists of 200 pages, 7½x10 inches in size, and is profusely illustrated. It tells all about the company's "Free Personal Letter Service," about the Cyphers Company's "Service Bulletins," free to customers, about the two new styles of popular-priced incubators placed on the market by the Cyphers Company this year and fully describes the nearly one hundred other practical articles of standard quality manufactured by this company for the use of successful poultrykeepers on either a large or a small scale.

For your copy of this 200-page free book address Cyphers Incubator Company at its place of business nearest you, as follows: Buffalo, N. Y.; 41 Barclay street, New York City; 12-14 Canal street, Boston, Mass.; 329-331 Plymouth court, Chicago, Ill.; 317-319 Southwest boulevard, Kansas City, Mo.; 2127-2131 Broadway, Oakland, Cal.; 316-318 N. Preston street, Dallas, Tex.; 121-123 Finsbury pavement, London, England.

A small classified advertisement will work wonders for you and sell your birds and eggs. You had better start one in January issue.

IT WILL STOP YOUR CHICKS DYING IN THE SHELL

Chicks die in the shell BECAUSE they are POISONED by the Carbonic Acid Gas that accumulates in the egg chamber or from OXYGEN DEFICIENCY.

The REMEDY is OXYGEN--Nature's Life-Giver.

THE AJAX IMPROVED OXYGEN VITALIZER

supplies oxygen to the egg chamber of your incubator and EVERY HATCHABLE EGG produces a chick. This is what NATURE INTENDED. You can use it on a hatch and if it does NOT do what we say

YOUR MONEY BACK IF IT FAILS

It costs \$4.00 complete, ready to use, delivered, charges paid anywhere in the United States. Can be attached to ANY incubator in five minutes, will last a lifetime, and our OFFICIALLY SIGNED MONEY-BACK GUARANTEE packed with every one that leaves the factory.

FREE BOOKLET

We have published a valuable booklet on the cause of "Dead in Shell Chicks" and artificial incubation. It's FREE. Please DO NOT ASK FOR IT unless you own or operate an incubator

INVESTIGATING COUPON

Please send me FREE, and without obligation on my part, your Booklet

My name is.....

Address

.....Incubator of egg size.

RELIABLE POULTRY SPECIALTY CO.
ALEXANDER, N. Y.

**THE
AJAX
IMPROVED
OXYGEN
VITALIZER**

Exhibition and Utility

Blue Andalusians, S. C. White Leghorns, S. C. Buff Leghorns, White Rocks, Black Orpingtons, Indian Runners, and Wild Mallard Ducks. We now have all pens mated and are booking orders for eggs. A post card will bring our 1915 mating list and show record—Write your wants.

LOMBARDY HEIGHTS POULTRY FARM

JNO. O. REID,
Prop.

Stanford, Ky.

S. C. WHITE LEGHORNS

First and second prize cocks and hens for sale. Young birds for any show. We have won hundreds of ribbons, cups, etc., at all the big shows. Twelve years in the business.
W. E. GABHART, BOX M,

BOHON, KENTUCKY

PARTRIDGE WYANDOTTES

Winners at the Owensboro Poultry Show, 1914. Old and young stock for sale. Booking orders for eggs. Write for prices. Satisfaction guaranteed. Address.

J. V. BARTLEY, Route No. 2

Philpot, Kentucky, Daviess County

S. C. BLACK MINORCAS

FINE WINTER EGGS
NORTHUP STRAIN

Winners of the recent Owensboro Poultry Show: 1st cock, 1st Hen, 1st, 2nd, 3rd and 4th Pen on six entries. Write for prices and description. Book your egg orders early.

J. D. RUSSELL,

Owensboro, Kentucky

S. C. WHITE LEGHORNS

I breed S. C. White Leghorns, the Money-Makers. Why waste time on other breeds when you can buy stock from me that will lay and pay. I have a few choice cockerels from great Winter layers for \$5 each. Other bargains in pairs, trios or pens in old or young stock. Buy before the price advances or the best sold. Money back if not satisfied.

Lay-a-Lot Leghorn Yards,

MRS. T. H. FARMER, Prop.,

Shelbyville, Ky.

PICK OUT THE HENS for your breeders by the quality of the eggs they lay now. By this means such hens will lay "xx" eggs next spring. "Start Right" and your eggs are as good as hatched before you begin to incubate. Start wrong, or shiftlessly, and one-half your eggs are wasted. These words are as true as can be spoken and you stand to lose if you do not choose your breeders exclusively by the register of the Magic Egg Tester. Sent by mail, complete for use, upon receipt of \$2.00. Ten pages of testimonials. One year's trial, money refunded if requested.

Magic Egg Tester Works, Brayton St., Buffalo, N. Y. and Bridgeburg, Can.

In ordering, or writing for further information, please mention this Journal.
Just say you saw it in The Industrious Hen.

Owensboro (Ky.) Show Awards.

BARRED ROCKS—First pen, best Barred Rock in show, first cock, first cockerel, second pullet, C. E. Carpenter, Owensboro, Ky.; second and third pen, first hen, first pullet, Mrs. Viola Thompson, West Louisville, Ky.; second cockerel, Miss Minnie Baker, Owensboro, Ky.; fourth pen, Henry Morton, Owensboro, Ky.

SILVER PENCILED ROCKS—First pen, R. L. Daniels, Owensboro, Ky.; second pen, second male, best White Rock in show, all varieties competing, Logan Meredith, Owensboro, Ky.; third and fourth pens, first male, second female, Mrs. J. W. Werteker, Stanley, Ky.

PARTRIDGE ROCKS—First pen, Geo. Steitler, Owensboro, Ky.; second pen, first male, first female, Fargy & Knight, Owensboro, Ky.

WHITE WYANDOTTES—First pen, first cockerel, first hen, first pullet, best White Wyandotte in show, Mrs. Hayden, Owensboro, Ky.; second and fourth pens, Paul Gau, Stanley, Ky.; third pen, M. C. Riley, Livia, Ky.

PARTRIDGE WYANDOTTES—First pen, J. L. Kelley, Owensboro, Ky.; second pen, Wayne Faust, Owensboro, Ky.; third pen, first male, first female, J. V. Bartley, Philpot, Ky.

COLUMBIAN WYANDOTTES—All prizes to Wm. Reid, Owensboro, Ky.

BUFF ORPINGTONS—First pen, best Buff Orpington in show, Delmar Gordon, Owensboro, Ky.; second pen, E. O. Dehaven, Owensboro, Ky.; third pen, J. L. Thompson, Owensboro, Ky.; fourth pen, A. M. Kinkead, Central City, Ky.

R. C. REDS—First pen, best Red in show, R. M. Robards, Owensboro, Ky.; second pen, W. H. Hardin, Owensboro, Ky.; third pen, R. M. Thompson, Rome, Ky.; fourth pen, Miss Martha Baseley, Owensboro, Ky.

R. C. REDS—First pen, best R. C. Red in show, John Gilmour, Owensboro, Ky.; second pen, J. W. May, Owensboro, Ky.; third pen, W. L. Way, Owensboro, Ky.

RHODE ISLAND WHITES—All to Mrs. G. W. Sauer, Stanley, Ky.

BROWN LEGHORNS—First, second, third and fourth pens, best Brown Leghorn in show, first hen, first pullet, first cockerel, first cock, best Brown Leghorn hen in show, best display any one variety, best display of Leghorns, best display of any one variety by

member of Owensboro Poultry Show, best pullet in show, all varieties competing, Mrs. Joe Mulligan, St. Joseph, Ky.

BUFF LEGHORNS—All prizes to Mrs. C. H. Walp, Owensboro, Ky.

Leghorn in show, first pullet, first hen, Gus Gillem, Owensboro, Ky.

S. C. BLACK MINORCAS—First, second, third and fourth pens, best cock in show, all varieties competing, best Black Minorca in show, first female, first male, James Russell, Owensboro, Ky.

R. C. MINORCAS—All prizes to Mrs. Oscar Pool, Maceo, Ky.

ANCONAS—All prizes to Mrs. C. E. Carpenter, Owensboro, Ky.

CORNISH INDIANS—All prizes to B. J. Killian, Owensboro, Ky.

SILVER CAMPINES—All to Stanton Cottrell, Owensboro, Ky.

WHITE COCHIN BANTAMS—All to Tom Laswell, Owensboro, Ky.

ROUNDHEAD GAMES—Second and third pen, Logan Meredith, Owensboro, Ky.; first pen and special, James Hamer, Maceo, Ky.

BLUE GAMES—First and fourth pen, J. W. Ambruse, Philpot, Ky.; second and third pen, Chas. Meredith, Owensboro, Ky.

WHITE PYLE GAMES—All to Mrs. Ed. Mattingly, Maceo, Ky.

INDIAN RUNNER DUCKS—All to Mrs. Oscar Pool, Maceo, Ky.

BRONZE TURKEYS—All to Gargy & Knight, Owensboro, Ky.

PIGEONS—Eight varieties, all first and second to H. B. Gordon, Owensboro, Ky.

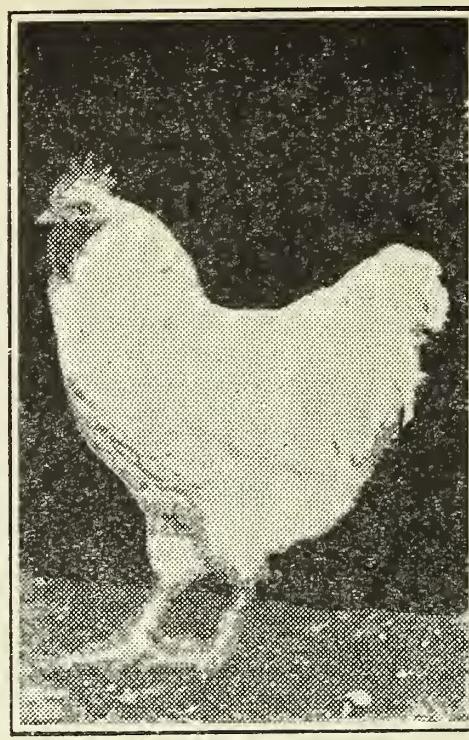
BOYS' AND GIRLS' DEPARTMENT.

S. C. REDS—Burns Farter, Knottsville, Ky.

W. F. B. SPANISH—Stanley Nelson, Stanley, Ky.

R. C. REDS—Miss Mary Gilmore, Owensboro, Ky.

RABBITS—Wm. Daugherty.



1st White Rock Cock, sweepstakes cups

for best male bird in show and best conditioned male in the show.

Chattanooga Poultry Show, Dec., 1914,
bred and owned by Highland Poultry
Yards, W. A. Luther, Proprietor,
Chattanooga, Tennessee.

WHITE LEGHORNS—First pen, best cockerel by member of club, Dr. T. B. Sanders, Owensboro, Ky.; second pen, Miss Eleanor Taylor, Maceo, Ky.; third pen, best White



COCKERELS FOR SALE

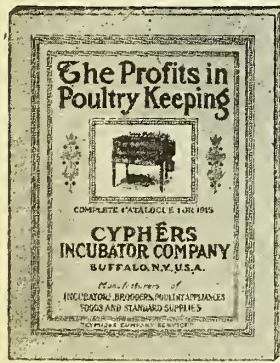
S. C. White Leghorns, S. C. Black Minorcas, 75¢, \$1.00, \$1.50 each.

ALEX RAY, Jr.,

Valley View, Kentucky

CYPHERS 1915 CATALOGUE

WE ASK EVERY READER of this Journal who is interested in "The Profits In Poultry Keeping" to send his or her name and address **today** to our nearest place of business for a **free, postpaid copy** of our big, 200-page finely illustrated Catalogue for 1915, the first edition of which is now being mailed **without cost** or obligation to every man or woman who asks for it.



1915 Complete Free Catalogue
of Cyphers Incubator Company.
Get Your Copy Soon!

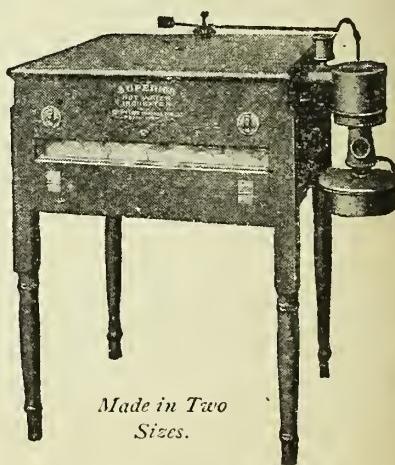
The title of this latest Cyphers Company 1915 Year Book is, "**The Profits In Poultry Keeping.**" The size of pages is $7\frac{1}{2}$ by 10 inches and there are hundreds of interesting illustrations. Two prominent chapters tell how to make the most money with domestic fowls **during war times** or so-called "hard times." The annual "Open Letter" in this book, 13 pages in length, by Grant M. Curtis, president of the Cyphers Company, is worth **many dollars** to every earnest, thrifty, I-mean-business poultry keeper who will read and heed the practical advice given. For this free, 200-page catalogue address our place of business nearest you—and thus save time.

REMEMBER THAT FOR THE SEASON OF 1915 we are offering to the poultry public of the United States and Canada **three different styles** of high-class, **guaranteed hatching machines**—see pictures herewith.

These three styles of incubators—**eight different sizes**—range in price from \$10 to \$38, thus meeting every condition or requirement.

SUPERIOR HOT-WATER INCUBATORS

by hot water, instead of with hot air and are "superior" in **every detail**. The water boiler and tank (tubular) are of heavy-weight copper. Lamp has seamless bowl; burner is best on market. Incubator case is of wood, attractively finished in golden brown, with brass trimmings (hinges, buttons, etc.), and has **double walls**, with air space insulation. Are equipped with Standard Cyphers zinc and steel toggle-joint thermostat and knife-edge regulator. Have **forced water circulation** and are automatic in ventilation. Have roomy chick nurseries under egg trays. Are built in two sizes: 65 eggs, price complete, \$10; 130 eggs (see illustration herewith), price complete, \$14.00. **Fully guaranteed.**



Made in Two Sizes.

130-Egg Superior Hot-Water Incubator.
Price, Complete in Every Detail, \$14.00

A Valuable Poultry Bulletin Free.

For the benefit of thousands who are interested in raising poultry "to make money," the Prairie State Incubator Co., of Homer City, Pa., have just issued a bulletin which is entirely free from advertising, but which takes up the subject of "Commercial Egg Farms," "How to Get High Production," "Housing of Poultry," "Maturing Young Stock," "Feeding," "What to Feed," "Care of Poultry," "Day-Old Chicks," and "How to Produce Prize Winners."

No one is more capable of treating the subjects mentioned from a money-making standpoint than is Mr. Nix, president of the Prairie State Incubator Co. His experience of more than 37 years in the incubator industry, meeting the largest and most successful poultrymen of the country, himself successful, gives weight and authority to every statement in this Special Poultry Raising Bulletin No. 1, which he sends free and postpaid to any of our readers who will write for it. We can speak the value of this bulletin, coming as it does from a man who is at the top of the poultry raising profession.

Also, if you are interested in high class incubation, he will be glad to send you their new 1915 Prairie State Catalog, a book that is mentioned as the best of its kind published. Address Prairie State Incubator Co., 210 Main street, Homer City, Pa.

"Dead-in-the-Shell" Chicks.

The Oregon State Experiment Station, in Bulletin No. 100, deals with the subject of artificial incubation, and the losses that come to poultymen every year as a result of the chicks dying in the shell. To quote from the bulletin, it says:

"Artificial incubation in recent years has assumed large proportions. Large numbers of incubators and brooders are purchased every year, entailing in the aggregate large investments of capital. It is admitted that there are large losses in the artificial incubation and brooding of chicks and many explanations are given as to the cause. The complaint is that the embryo either dies in the shell or, hatching, soon succumbs to bowel, or other troubles. Experience shows that fully 25 per cent of the eggs placed in the incubator are found at the end of the hatch with fully developed chicks dead in the shell. Why the embryo should

live through the period of incubation, and then die in the shell is a problem that has baffled the most extended investigation."

As bearing upon this subject, a letter from the well known breeder, A. A. Kryder, secretary of the Goshen (Ind.) Poultry Association, should be of interest to our readers. This letter is written to the Reliable Poultry Specialty Company under date of November 27, 1914, and speaks for itself:

"Gentlemen: I am glad to write and tell you the success I had with your Ajax Improved Oxygen Vitalizer last season. I do custom hatching and last season hatched 7,500 chicks for other people. By using the oxygen vitalizer I am able to get much better hatches and the chicks are stronger and grow faster. I tried the incubators, with and without the vitalizer, and have proven that the oxygen does all and more than you claim for it. To sum it all up, I would not think of taking off another hatch without this truly wonderful device. If there is anyone in this part of the country that wants to see the vitalizer work, just refer them to me and I will let them see a hatch come off and let them see for themselves what it actually does. Many thanks for your courteous treatment. Very truly,

A. A. KRYDER,
Secretary,
Goshen (Ind.) Poultry Association.

In our January number will be found the advertisement of the Reliable Poultry Specialty Company, and from the letter of Mr. Kryder it would seem that at last something has come into the market that promises well to put an end to the dead in the shell losses.

**J. W. DENNIS
POULTRY JUDGE**

All varieties. 15 years experience.
mating and selecting show birds a specialty.
Reference. Rates reasonable.

BINNS HALL, VIRGINIA

**Don't Feed Green Food!
Do away with the bother by using
Succulenta Tablets**

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to The Succulenta Co., P. O. Box 405-25 Newark, N. J.

ROYAL GREEN S. C. BLACK MINORCAS AND ORPINGTONS

MINORCAS—12 or 15 Champion Show hens for sale reasonable.

ORPINGTONS—At the Great Chattanooga Show with six entries—just won 1st and 2nd cockerel, 1st and 2nd hens, and 1st and 2nd pullets.

It will pay you to write us if in need of any kind of stock whatever, of these breeds.
WALTER Q. PARK,

Richmond, Kentucky

S.C. White Leghorns Exclusively

Hatching eggs in season. Baby Chicks and Custom Hatching.
Also a limited number of fine breeders for sale.

ENGERT POULTRY FARM
CHATTANOOGA, 1225 JAMES BUILDING

TENNESSEE

NOW BEING MAILED FREE**COLUMBIA HOT-AIR INCUBATORS**

class work. Have wooden cases, attractively finished in dark green, with brass trimmings and double walls. Seamless-bottom lamp bowls, best quality brass burners, Standard Cyphers toggle-joint thermostat and *same regulator as used on highest priced machines*. Fume-proof, forced draft heater, asbestos covered and metal banded. Automatic in ventilation and embodies diffusive principle. Roomy chick nursery. Made in two sizes: 140 eggs, price, \$15.00; 250 eggs (see illustration), price, \$19.00. Fully guaranteed.

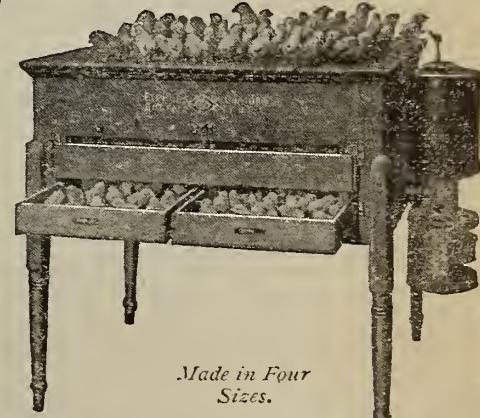


250-Egg Columbia Hot-Air Incubator.
Price, Complete in Every Detail, \$19.00.

STANDARD CYPHERS INCUBATORS

more have been recognized as the "standard hatcher of the world." Tens of thousands of them have been sold and are in *successful use in every civilized country on the globe*. They are the last word to date in incubator building, not a penny being spared anywhere in their construction to make sure of their doing satisfactory work in *all climates, under widely different conditions*, in the hands of all sorts of people. Are built in four popular sizes and at prices as follows: 70 eggs, price complete, \$15.00; 140 eggs, price complete, \$22.00; 244 eggs, price complete, \$32.00; 390-400 eggs, price complete, \$38.00. Satisfaction, *or your money back*.

ALL PRICES in this advertisement are for territory east of the Rocky Mountains, north of Texas, and south of the Canadian line. In high freight territory slightly higher prices have to be charged, but as a rule the difference is small.



390-400-Egg Standard Cyphers Incubator.
Price, Complete in All Details, \$38.00.

FREE 1915 CATALOGUE fully describes these three styles of incubators and also tells about the nearly 100 other standard articles we manufacture for down-to-date, practical, successful poultry keepers on small or large scale. Be sure to write today—NOW, before you forget it!—for YOUR copy. Address as below.

CYPHERS INCUBATOR CO. Dept. 13

Home Offices
and Factory

Buffalo, N. Y.

BRANCH STORES }
and WAREHOUSES }

NEW YORK, N. Y.
41 Barclay St.

BOSTON, MASS.
12-14 Canal St.

CHICAGO, ILL.
329-331 Plymouth Court

KANSAS CITY, MO.
317-319 Southwest Blvd.

DALLAS, TEX.
316 N. Preston St.

OAKLAND, CAL.
2127 Broadway

LONDON, ENGL.
121 Finsbury Pav.



TURKEY & WATER FOWL DEPARTMENT

This department is conducted by J. C. Clipp, Saltillo, Ind., and any questions that you wish to ask will be answered through this department, if addressed to Mr. Clipp at Saltillo, Ind. If a personal reply is wanted, enclose a stamped envelope.

It is really surprising that the wild turkeys have been so nearly wiped from the face of the Earth, only little more than half a century and wild turkeys were more numerous than our domestic turkeys. It appears that Kentucky has always been the native turkey State. Back in Audubon's time, more than half a century ago, he says wild turkeys in Kentucky was so numerous that they only brought three-pence apiece in the markets. A friend of mine in the South sent the writer a few years ago, a pure wild tom. He measured four feet in length, five feet in the stretch of his wings. His wattles and head was the most beautiful blue I ever saw. His shanks was a bright flesh color. Now when you talk about "Copper Bronze," this wild bird had it in its purity. It was much more brilliant than in our domestic turkeys. You could not detect but very little green, if any in the tail covets or in any section, no matter how you reflect the light on it, but little green or steel was observed. The tail was a dark chestnut, barred with "mid-night" black near the end, ending with a broad band of black. Not a trace of white could be found on the ends of main tail feathers nor upon covets, so strongly demanded in our domestic Bronze Turkey. Those that have had years of experience with wild turkeys, tell me the absence of white on main tail and on covets is the best evidence in the world of a pure wild turkey, but if white tips appear then we know it has a cross with some of our domestic turkeys. In both the males and females of adult birds is found a long coarse hairy turf in center of breast. The females are not so brilliant in that strong copper bronze as the males. From the pure wild turkey is where some of our most noted bronze turkey breeders get that heavy copper bronze running strong in covets and high up over back. We have the most graceful shaped turkey in our domestic bronze, but when it comes to high bronze color we are compelled to take off our hat to the wild turkey. Of course the careful breeding of desired points in our domestic bronze turkey presents them in the most beautiful appearance of all turkeys, with those that admire variegated colors. It is a well known fact that our Domestic Bronze turkeys are the original turkey of America. They are the real turkey and can claim the slogan of "Made in America." They are the most profitable and popular variety of all domestic turkeys being bred direct from the Mexican wild turkey. With good care and skillful mating they have been developed into the heaviest and most desirable turkey grown. Possibly the advocates of the White Holland, the Narragansett, the Black, the Buff, the Slate and the Bourbon Red turkey will say, "your ideas are concealed, there are

others just as good as yours." But I certainly beg your pardon, for we have no such an idea, I am presenting facts just as they exist, there is no turkey grown that carry as much honor and popularity as the Bronze, as they are bred more extensively throughout the United States than any other variety. While this is true, the New Bourbon Reds are now a close second. In our tour through Kentucky, Ohio, Indiana and Illinois, recently I found more Bourbon Red turkeys than all others save the Bronze. They were once known as the "Kentucky Reds." There is no doubt that their origin can be claimed by Kentucky, while some claim they originated in the Ozark Mountains, but this is largely discredited. However, they are a very hardy turkey, a beautiful colored turkey and their purely domestic habits make them very popular. They are very hardy and easily raised which makes them admired by many. Since they refrain from roaming over the country as the Bronze they are admired by many suburban residents. However, domestic they may be, they cannot stand close confinement, as a chicken, its not the nature of a turkey to be confined, "the more range the more turkeys" is a

very true saying. I presume all the standard varieties of turkeys have more or less wild blood running in their veins and must have this natural impulse in order to develop properly. At this age, we hear and see all kinds of things said in praise of the Bronze and Bourbon Red turkeys, and never a word is mentioned about the old time Slate turkey. Here is a turkey that is without doubt one of the grandest varieties in the turkey family, but for some reasons have become a misnomer, as they should be called the Blue Turkey, and then the Blue Andalusian, the Blue Orpington advocates would have taken to them more kindly. They are of the same weights as the black and buff turkey, but I have seen them as large as the Bronze, in fact it appears the standard weights are entirely too low for them as they appear to naturally grow larger than the

Spray Kant-Klog Sprayer
for disinfecting and white washing poultry houses—spraying vines, vegetables, etc. Write for catalog. Agents wanted.
White Wash Rochester Spray Pump Co.
206 Broadway Rochester, N.Y.

How to Pick the Layers

The Potter System is a simple, certain method of picking the "layers" from the loafers or diseased hens. Save food money and build up a flock of profitable egg layers by the Potter System.



Don't Kill or Sell Your Laying Hens

The Potter System of picking the "layers" is the greatest discovery of the century in the poultry world. Used by over 50,000 satisfied poultry keepers. Our new 100-page Potter System book—"Don't Kill the Laying Hen"—tells the secret, as well as giving much other valuable information for poultry keepers. Shows how to keep less hens, get more eggs and make more money. If you want to make more money from your flock, write today. Full information free. Potter & Co., 33 Forest Av., Downers Grove, Ill.

"GIANT" STRAIN M. B. TURKEYS

From "Hugo King," the 45 Yearling, Score 97½.

If you wish toms or hens that have enormous bone and frame, fine trimmings, with brilliant bronze plumage; birds that have been bred for years and winners in our hands and customers' hand at Louisville, Cincinnati, Chicago, Boston, Seattle, Atlanta and Indianapolis, our birds will suit you. We are booking orders for early shows now. Fine "Nugget" strain Buff Plymouth Rocks of the finest quality—any number. Write us for prices and catalogue.

J. C. CLIPP,

BOX 1032

SALTILO, IND.

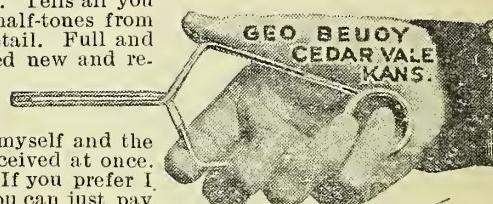
WHAT'S A CAPON AND WHY

George Beuoy's new CAPON Book explains. Tells all you want to know about capons. 60 pages. 40 half-tones from life. Shows each step in the operation in detail. Full and complete, easy-to-use directions. Copyrighted new and revised third edition. One copy for 50c.

\$3.50

for a Set of Capon Tools exactly like I use myself and the book mentioned above free if your order is received at once. If not satisfactory return and I will refund. If you prefer I will send them C. O. D. by Parcel Post and you can just pay the mail man for them. Catalogue free.

Geo. Beuoy R. F. D. No. 27 Cedar Vale, Kan.



Automatic Remover. (Pat.)
(No extra charge on that account)

LOYD'S PRIZE WINNING PARTRIDGE ROCKS

We are ready for the fall fairs and will furnish the quality that will win in any competition. Our birds have been winning at the big shows for years. Get our prices and full particulars. Address,

C. J. LOYD & SONS,

Greensburg, Indiana

standard calls for which is only 27 pounds for cocks and 18 pounds for hens, when the cocks will easily reach 36 pounds and better. There is not a hardier turkey grown. When you hatch a Slate turkey you can count on maturing it, as it is determined to live. If breeders of the Slate turkey would push them more vigorously they would soon become equal to the Bronze in popularity.

The writer has received several inquiries recently for Slate turkeys or put them in touch with breeders of this variety. I know but one or two breeders of this variety and why more farmers do not grow them is rather a puzzle as they are very hardy, never roam far from the farm buildings and are great layers. A well bred Slate turkey hen will lay until well up in October and not only this but are good gentle mothers. If Slate turkey breeders would advertise their stock through some of the journals and put a little snap into their efforts they could not half supply the demand for their wares. J. C. CLIPP.

HENS WORK MORE DAYS THAN MEN.

Record-Breaking Pen of Heavy-Laying Leghorns Now Owned in Philadelphia.

Three hens which work more days in a year than the average business man have come to Philadelphia to live—and lay. Their official records are 264, 263 and 256 eggs in one year,

hen for food, leaves a profit of \$48.23.

Can any industry show a higher return considering investment and labor? We doubt it.

The record of the birds shown in this illustration becomes even more astonishing when one takes into consideration the following facts: In the International contest there were five hundred fowls in competition, representing the pick of the best layers of Europe and America. Only four pens (5 birds each) laid above 1100 eggs and only 16 pens went above 1000. Only one out of every four birds laid 200 eggs or over, and the entire average of the 500 birds was but 170 eggs each. The ten birds in this lot shown averaged 1100 eggs to the pen (5 birds), an average of over 220 eggs apiece, or 50 eggs per bird above the contest average. There is one thing strikingly apparent about the above birds that seems to set them off from what has previously been generally accepted as the English type of heavy egg-laying Leghorn. That is the close approximation to the American type of bird. There is a certain pleasing flow to the lines, a refinement of appearance that has heretofore been conspicuous by its absence, but the long black, deep body, heavy comb, alert appearance are still there.

At the great Tri-State Fair, Memphis, Tenn., October 3, 1914, Fair View Poultry yards, Cookeville, Tenn., won the following on their great Light Brahmans: First cock, first and second hen, third and fourth cockerel, second pullet, first pen, second champion ribbons, second shape, second color ribbons on Black Breasted Red Game Bantams, first cock, first cockerel, first and second pullet, first and second hen, first pen, silver cup for best display Game Bantams, A. P. A. medal for best Game Bantam. They did not show any Rocks at this show is the reason they did not win.

Lake Park, Ga., Nov. 23, 1914.

H. I. Co., Salem, Va.—I control chick bowel troubles by the "OCULUM" method. Every one wonders why I do not lose chicks. Out

pound weight on an average. Parties come from surrounding counties to see the chicks. Truly,

Geo. E. Worthington.
Can any poultry expert who does not use the "OCULUM" method equal this?

Coming Attractions

B. F. KEITH THEATER—Keith Square, Fifth and Walnut Street.

Ruth Roye, the Princess of Ragtime, who played for seven consecutive weeks at the Palace Theatre in New York, and was awarded a silver cup as the champion rag singer of the world, will be featured on the bill for the week of January 3d. Other notable features are Jane Connelly and her players in a unique comedy sketch; McDevitt, Kelly and Lucey; Bill Pruitt, Sylvia Loyal and Pierrot; Baptiste and Franconi, and others. For the week of January 10, Eddie Leonard, the famous minstrel, assisted by Mabel Russel, will feature a new specialty, and others on the list are Bert Levy, Alf Holt, Dooley and Rugel, the Davis Family, the Dunedin Duo, the Drummer of the 76th and others. Attractive bills are being prepared for the week of January 17 and 24.

GAYETY THEATER—Jefferson near Fourth.

Drama and Musical Comedy.

Jan. 3—"He Fell in Love With His Wife."

Jan. 10—"In Old Kentucky."

Jan. 17—"Shepherd of the Hills."

Mail orders given special attention. For further information address C. T. Taylor, Manager.

MARY ANDERSON THEATER—Fourth and Chestnut.

Featuring high class photoplays. Continuous shows daily, 10:30 a. m. to 10:30 p. m. Best seats 10c. Matinee and night.

Jan. 3-5—Marie Dressler in Tillie's Punctured Romance.

Jan. 6-9—Mrs. Wiggs of the Cabbage Patch.

Jan. 13-16—Clara Kimball Young in The Deep Purple.

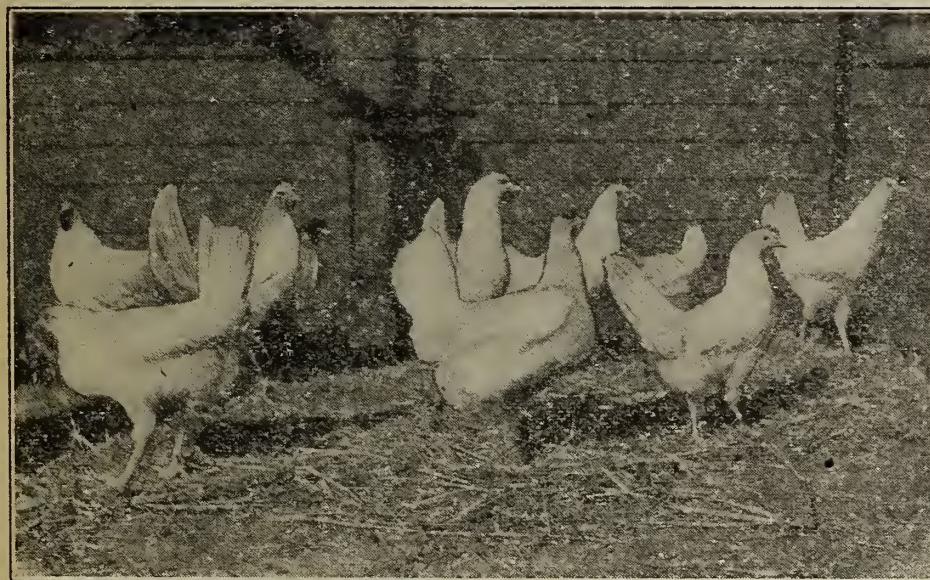
PILLING *Easy to use*
CAPON
TOOLS

MORE THAN DOUBLE
YOUR COCKEREL PROFITS

Capons grow twice as large on the same amount of feed and bring twice the price per pound.

Complete set of reliable, practical, easy-to-use Capon Tools. \$2.50 —full, illustrated instructions included. Parcel Post prepaid.

G. P. PILLING & SON CO., Phila., Pa.
Send for FREE Capon Book



their average being 261. As a hen never lays more than one egg a day, this represents 261 days' work, or more days, after deducting Sundays, holidays and vacations, than the average business man spends at his office or store.

These birds are the three in the foreground in the photograph, counting from the left. The photograph shows the entire pen of ten birds, whose total egg production for one year was 2202 eggs, or an average of over 220 eggs per bird. This is an official trapnest record, it having been made in the International Egg Laying Contest running at Thorndale, Pa., the past year.

These birds have been bought for a big price by the Pratt Food Co., of this city, and, together with two other birds, which are full sisters and were held in reserve at the contest, will be used in further breeding and laying tests at the Pratt Experiment Station, Morton, Pa.

This record of 220 eggs in one year beats by 129 the record of the winning hens at the previous International contest, or over a dozen eggs more per hen. When it is recalled that last year's winners were valued at \$1,000, it is seen that the Philadelphia birds undoubtedly comprise the highest scoring and most valuable pen of ten Single Comb White Leghorns.

It is interesting to note that the average Leghorn hen weighs only about four pounds, or say 40 pounds for this pen. Their eggs, averaged at two ounces each, weighed almost 275 pounds. Thus the hens produced in eggs nearly seven times their own weight.

Figured at 35 cents a dozen, 2202 eggs were worth \$64.23, which after deducting \$1.60 per

of last 1000 hatched (some from pick-up eggs) I have over 975 at six weeks old, over one

WHITE WYANDOTTES

want the best. Send for 1915 mating list. Eggs \$1.50 to \$3.00 per fifteen, 10% discount on all orders received before February 15th, 1915.

C. A. ADAMS

Route No. 1

FAIRBURN, GA.

BUFF PLYMOUTH ROCKS

Bred for Heavy Winter Egg Production. Also blue ribbon winners at the recent Kentucky State Fair. Choice cockerels at \$2.50 up and pullets at \$1.50 up. Write for description and other information.

Cumberland Phone; Harrods Creek Exchange. Free Service.

MRS M. T. ENGLISH

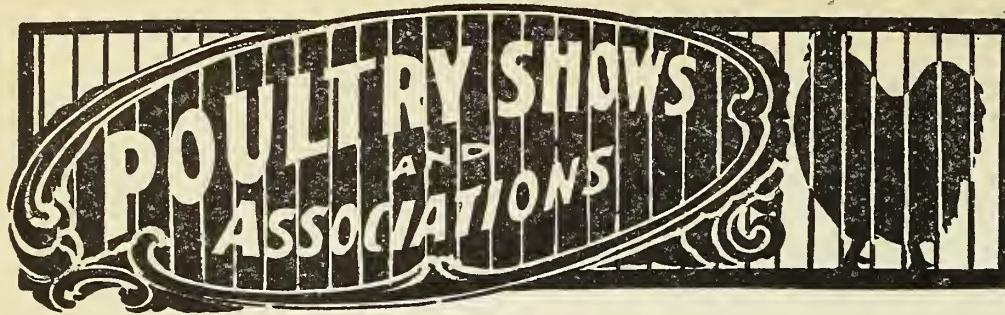
Prospect, Ky.

Patterson Farm White Plymouth Rocks

are ready to win. If you need a Cock, Hen, Cockerel, Pullet or Pen to show, write me and receive my prices by return mail.
Fine large breeding and utility Cockerels at \$3.00 and \$5.00 each. Splendid Pullets at \$2.00 and \$3.00 each. Satisfaction always guaranteed.

PATTERSON FARM

FITZGERALD, GA



If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

What is the White Plymouth Rock Club?

1. It is a booster organization for White Plymouth Rocks.

2. It entitles you to compete for club ribbons and the handsome specials at all poultry shows. And puts you in direct touch with all White Plymouth Rock breeders.

3. It entitles you to participate in the educational propaganda now under way for the novice and beginner in this premier breed.

4. White Plymouth Rocks are the most perfected exhibition fowl, bred today and year after have won more sweepstakes than any other two varieties combined.

5. White Plymouth Rocks have attained the highest official record for the number of eggs laid in one year, and for twenty years have reigned supreme as the most profitable producer of marketable eggs.

6. More White Plymouth Rock dressed poultry is received in the New York and Boston markets than all other varieties combined.

7. As an admirer and breeder of this superior breed you should line up with the White Plymouth Rock forces.

8. Your co-operation and good support will help to advertise and perpetuate their surpassing excellence over the civilized world.

9. The club stands for more and better White Plymouth Rocks.

10. The White Plymouth Rock breeders united will keep the breed where it belongs—at the top.

Dues are only one dollar per year and should be sent to the White Plymouth Rock Club, Albashire, Bartlett, Tenn.

White Campine Club.

Get into the greatest boom ever launched in poultrydom. White Campines are far more hardy than any other small breed of poultry, easy to rear, mature very rapidly, lay better than White Leghorns and are full breasted and plump, tender for table use even after the second year.

They are not nearly so nervous as the Leghorns nor such aggressive foragers, yet produce eggs at lower cost for feed and much less for fencing.

Do you know what this means? It means thousands of commercial plants will stock up with them in the next few years. Join the club and breed the greatest breed ever created.

WALKER LYBARGER, Sec'y.
Gambier, Ohio.

The Fanciers Association of Indiana will hold their fifteenth annual show in Indianapolis February 1 to 5, 1915. This will be the only show held in Indianapolis this year. This means one grand big show of the best quality. The judges so far selected to place the awards are Pierce, Hewes, Moe and Zike; others will be added. A number of specialty clubs will hold annual and State meetings at this show. Black Orpingtons, S. C. Brown Leghorns, Barred Rocks, Buff Rocks and White Rocks with others have been booked. The Bantam classes will be a special feature at this show, as for the past two years Bantams at this show made a good show alone. A request for premium list sent the secretary, C. R. Milhous, Indianapolis, Ind., will be filed and list sent as soon as out.

The National Java Club will offer eight handsome silk ribbons at every show which prints a notice to that effect in its premium

list. They will be awarded on Black and Mottled Java cocks, hens, cockerels and pullets. All breeders of Javas are urged to join the club at once and membership is free until March 1, 1915. After that dues of \$1 a year will be charged. Those who are not members and who wish to compete for the ribbons can register with the secretary of the club before the entries close for any particular show. For further information address the secretary, Herbert J. Link, 61 W. Lake street, Chicago, Ill., or 616 C St., LaPorte, Ind.

"War High Prices."

Mr. W. J. Wirt, proprietor of Ridge View farms, of Knowlesville, New York, informs us that they are offering some very choice bargains in fine stock at low prices, in Runner and Muscovy ducks. The Muscovy is the duck that never quacks and roosts like a chicken and lays as well as the Runner. Mr. Wirt tells us that they have ducks that have laid 300 eggs in a year. They are also offering some fine fowls for sale, including Bantams, Games, Sicilian Buttercups, etc. See their display advertisement in this issue and give them a trial order.

Fostoria Show.

The Fostoria Feather Fanciers Club are certainly going to have one of the best poultry shows that Ohio has had in years. Last year they were handicapped for room, but this year they have secured one of the finest rooms that any association would care for, large enough to house two thousand birds, absolutely fireproof, with ideal light and perfect ventilation and right in the center of the city.

All the judging will be done the first day of the show, thus assuring the exhibitor plenty of time to advertise his birds. Four of the best known judges in the business have been selected to place the awards. About one thousand dollars worth of specials are ready for the winners, plenty of silver cups and handsome 12-inch ribbons, while a beautiful gold legband will be sealed on every first prize cockerel.

The State meet of the White Rock Club will also be held at this show, and the finest bunch of specials that has ever been offered at a State meet. Mr. U. R. Fishel will place the winners in this class. Fostoria has seven trunk steam roads, three interurbans and all the express companies in existence. Better write for one of their premium lists now before you forget it, to Tom L. Hatchet, secretary, Fostoria, Ohio.

BARNETT'S

Buff Orpingtons grand breeders or show birds to win. Get our price list of birds with a guarantee to please, or return at my expense.

FRANK BARNETT,

R. 4,

FRANKLIN, IND.

PIGEONS

I have the finest squab breeders in Corneax, exhibition Homers, Show Homers, and Racing Homers. I guarantee to please you or refund

your money. Write me your wants. Prices reasonable.

ENGLESIDE PIGEON LOFTS

I. J. ENGLE, Proprietor.

125 HANOVER ST., LEXINGTON, KY.

-- BARGAINS EXTRAORDINARY IN WHITE PLYMOUTH ROCKS --

For the next thirty days I will offer the following: Cockerels \$3.00 each. Trios (male and two females) \$5.00. Pens (male and five females) \$10.00. Properly mated to produce the best there is in White Plymouth Rocks. Satisfaction guaranteed or money refunded. Write at once as this offer is only made to reduce my flock for the winter. Address:

W. B. JENKINS, PROP.

OAKLAWN POULTRY YARDS

GLENDALE, KENTUCKY

PRIZE CONTEST

\$100 for Best Definition of "Oculum." New Discovery

Eggs 12c per Doz. by "Oculum Method"

"I was getting 20 eggs a day when I commenced the 'OCULUM METHOD' 3 weeks ago. Today I got 300. D. B. MCNEILL,
Cunningham, W. Va.

Particulars, and how to get \$1 bottle FREE.
H. I. CO. BOX M SALEM, VA.

WEDDING INVITATIONS

The bride-to-be may as well start learning economy before the wedding, and one of the ways of doing it is to save on the wedding invitations.

100 for \$5.50
(50 for \$4.00)

We do not advise issuing invitations of inferior character. We offer to supply 100 Wedding Invitations on strictly high-grade stock, executed in any of the following style type; the entire outfit complete with inside and outside envelopes. Each additional hundred \$3.00.

No. 1 Mr. and Mrs. Woodrow
No. 2 Mr. and Mrs. Arthur
No. 3 Mr. and Mrs. Edward

Write your copy plain. Indicate style of type wanted by number and send no money until we send you a proof. Our reference: Southern Nat. Bank, Louisville, Ky.

Hammer Printing Co.
Incorporated
127 S. Third St. Louisville, Ky.
We Print Any Thing

DOLLARS VS. DEAD CHICKS

FREE Book!

Treat chicks the "Duplex Way" which gives them plenty of fresh, warm air, steady temperature, room for exercise, Warm Air Automatic Ventilator which does away with cold draughts on the floor and they make dollars. Treat chicks with hard work, constant backbreaking attention with unreliable temperature and cold air ventilation with its killing draughts and you have dead chicks. The

Duplex Brooder Stove and Ventilator Combined

provides "Duplex Way" conditions automatically. No hard work or sleepless nights. Just install a Duplex and you are ready for success such as you never dreamed possible. DO NOT BUY ANY BROODING EQUIPMENT UNTIL YOU GET OUR

Freight Paid Thirty-Day FREE Trial Offer!

The Duplex costs less to buy, less to install, is perfectly reliable, safe and easy to operate—any boy can start and regulate it. MADE IN THREE SIZES—fifty to 1500 chicks. GET OUR FREE BOOK. It explains the "Duplex Way" with its money, labor and chick saving features. Send 10 cents for our book on winter brooders and plans for brooder house. The other books free for the asking.

DUPLEX COLONY BROODER CO., Box 631, Rockford, Ill.

LAKE FOREST SINGLE COMB REDS.

Having been raised on a farm, I find the older I get, the greater is my desire to return to the soil, and I enjoy nothing more than to sit down at night and read the pages of some poultry or farm magazine and the most interesting of these articles are the personal experiences of men who have made good or bad in the poultry business.

Most of my time is taken up with my real estate and insurance business, but some years ago I picked out thirty acres of ground I thought was ideal for raising chickens and which truly is. Not having the time to give the place my personal attention, I began to look around for a man to take charge. I found him in a barber shop, he was the champion chicken raiser of the world, and for fear some one would beat me to him, I took him out to my place and closed a contract for the first year, well we didn't raise any chickens that year, then I began to look for some one who didn't know so much; I found him in Mr. L. D. Roberts my present manager, who had taken an agricultural course and had eight years experience in producing his strains of single comb Rhode Island Reds and so we have been working ever since to produce a great strain of these birds, we have, I believe, the largest and best equipped plant in the South (a cut showing the brooder house, incubator cellar and a few of the breeding pens), and have on hand now about 1250 birds and expect to have three times this many next year. Although we have been perfecting this strain for several years, never until this year have we entered the show room nor have we offered birds for sale, but our record this fall should entitle us to the champions of the South. At Chattanooga, competing with 350 birds from all over the South, our birds received two-thirds of the ribbons, at Memphis, with ten birds we won two championship cups and six ribbons.

There is no reason that we can't raise just as good birds in the South as they can in the North and East and the sooner the Southern fancier realizes that he just as good at home as he will find in the North the better off shall we be.

Yours very truly,
W. H. FARRAR.

SHEPPERD'S ANCONAS.

You will find the advertisement of H. Cecil Shepperd's famous Anconas on the outside back cover of this issue. He has made a wonderful reputation with his birds both in the show room and in laying contests. And if you are in the market for either stock or eggs, don't fail to look up his advertisement and write him, and be sure to mention this paper.

Don't fail to feed your birds "Arrow Brand" feeds, manufactured by Edinger & Co., Louisville, Ky. Look up their advertisement and write them for prices and samples.

The Duplex System.

Breeders everywhere are awakening to the wonderful possibilities of colony brooding. Thousands of them have adopted this system only to be surprised with results. Not only did they find that larger and better chicks could be raised, but they also found that this system saved them three-quarters of their time and reduced the expense for fuel.

These factors in themselves are enough to

make it worth while for all breeders to adopt colony brooding, but there are numerous other things which make it a wonderful factor in the success or failure of the business. Not the least of these is the broiler possibilities. With a Duplex Stove and Ventilator installed, it is an easy matter to raise broilers. In fact one thousand broilers can be produced with less labor around one of these stoves than is possible in any other way. It positively is less work to care for 1000 chicks around a Duplex in December and January than it is to care for 200 in any other way even during the summer months. This makes winter broilers in profitable numbers an attractive possibility for all poultrymen. The Duplex Colony Brooder Co. has prepared a little booklet which they will gladly send you with their catalog which will give you all the information you may desire regarding this splendid system of brooding. This is their second year season and prospects are for more orders than they can handle, so we advise our readers to write for their literature at once so as to be able to get their orders in early. Mention this paper and address the Duplex Colony Brooder Co., Box 631, Rockford, Ill., and you will get literature which will mean the difference between success and failure on your farm. It will surely increase your profits and reduce your labor.

COVER ILLUSTRATIONS.

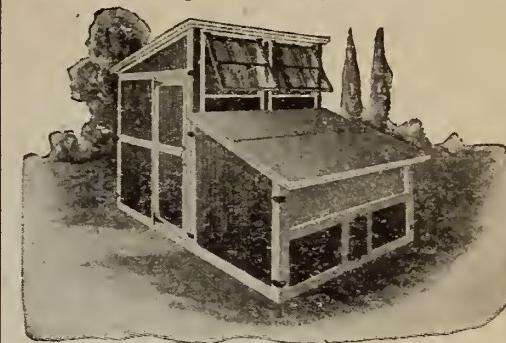
The Barred Plymouth Rock cockerel illustrated on the cover this month is owned by C. E. Carpenter, Owensboro, Ky., and headed the 1st prize pen at the recent Owensboro Poultry Club.

REGAL WHITE WYANDOTTES.

Be sure to look up the advertisement of Jno. S. Martin, Port Dover, Ontario, Canada and write him for prices and catalogue of his famous Regal strain of White Wyandottes. We will publish cuts and more about his famous birds in our February issue. In writing him please mention the Hen.

Attention is called to above illustration of the New Miller Open Front Fresh Air Portable Henhouse—their advertisement appears on another page. The manufacturers tell us that they had in mind at all times in designing this

house, to eliminate defects common in different styles of hen houses. The idea was to put a house upon the market which would be the latest improved and practical henhouse to use. We believe that this house will meet the approval of all poultry people who advocate the fresh air open front style of house; this



type of house as you know has the approval of the world's greatest poultry experts. The manufacturers tell us they have a message on different size henhouses for you which can be obtained by addressing The Miller Mfg. Co., 8017 Alabama avenue, St. Louis, Mo.

If you like THE INDUSTRIOUS HEN tell your friends and neighbors about it and ask them to subscribe

POULTRY MEN!

If you are planning to have a Booklet, Circular, Announcement or Half Tone Plates made, write us. We are prepared to give you attractive advertising literature and perfect pictures of your birds. Our specialty is

Folders, Booklets, Catalogues and Office Stationery

Dummies and general suggestions promptly submitted. Orders quickly filled. Send for our booklet, "Preparing Your Printing For Its Purpose."

Mayes Printing Company
Incorporated
411 S. Third St., Louisville, Ky.

Loomis' R. C. Reds win at the GREAT MID-WEST CHICAGO SHOW, December 1914, in the strongest Red class ever caged in America. My exhibit received many flattering compliments from the leading judges and breeders. If you are in need of new blood write me. Pens mated early.

HAWTHORN POULTRY YARDS
C. C. LOOMIS, PROP. BOX A ST. MATTHEWS, KY.

CHAMPION BARRED ROCKS

Make a clean sweep at the Kentucky State Fair of 1st, 2d and 3d cock, 1st, 2d and 3d hen, 2d, 3d, 4th and 5th cockerel, 1st and 3d pullet, 1st pen, \$10 gold special, and the Industrious Hen Cup, over all varieties in the show. At the Tri-State Fair, Memphis, Tenn., I won 2d and 5th cock, 5th hen, 2d cockerel, 5th pullet, 1st pen, two silver cups for Southern States Champions on cockerel and pen. I am the only breeder to win in all five exhibition classes. Choice cockerels and pullets fit to win in any competition or high class breeders.

A. G. CALLOWAY
Old Address Louisville, Ky., R. F. D. No. 22 R. R. No. 18, ANCHORAGE, KY.

ORPINGTON PLACE

Eggs for hatching; White, Black, Blue and Buff Orpington; White, Dark and Buff Cornish Games and Buff Leghorns. Some show bird mated in each pen. All infertile eggs replaced when returned. Cockerels and pullets for sale. Chick Special Circular. Write

OLLIE C. RATH,

TURTLE CREEK, PA.

Spain's Barred Rocks and M. B. Turkeys

"Blood and Breeding will tell" is very true; these birds have made a clean sweep of the State winning at the Virginia State Fair, Petersburg Fair and the Great Virginia Poultry Show, 16 firsts, 13 seconds, 4 thirds, 3 fourths, 3 fifths and 5 silver cups and four specials.

I can supply you anything you may want for exhibition or utility breeding of both breeds at very reasonable prices for stock. Mating pens, trios and picking male breeders a specialty.

E. C. SPAIN

Church Road, Virginia

CLOSING OUT SALE**S. C. WHITE LEGHORNS and R. I. REDS**

I am offering my poultry at a bargain. 75 Leghorns (cocks, cockerels, hens and pullets); 25 good Reds; 2 incubators, capacity 240 and 320. This lot consists of some fine show birds, breeding stock, utility, etc. Must be sold at once, so here's your chance. Write for prices.

H. COGGESHALL,
LOUISVILLE, 1903 Richmond Ave., KENTUCKY

I WILL SEND YOU A DIME FREE

Coupon good as part payment on your subscription to this or any other poultry paper, if you will send for my catalog of Poultry Books and Magazines.

H. E. VAN DUZEE, Jr.,

Carrier 50

St. Paul, Minn.

DONALDSON'S S. C. RHODE ISLAND REDS

Just won six firsts, four seconds and two specials at the Alabama State Fair and Georgia State Fair. High class exhibition and breeding stock. Extra fine cockerels. Eggs from champion winners, small mating, \$5.00 per fifteen. Utility, \$1.50 per fifteen.

MRS. DONALD DONALDSON,
Decatur. Georgia

THOMPSON'S ROSE COMB REDS

"Sensation" Strain, Royal Reds, winners over all in Red class, 153 Reds in largest show in State. First on cockerel, pullet and pen, special for best Red cockerel in show. Lot of fine cockerels for sale now. Write for prices.

D. MATT THOMPSON, Box B, Statesville, N.C.

NOTICE TO THE SUBSCRIBERS

We have in this Journal an ad. We will give five dollars in gold to the person guessing the correct or nearest correct number of booklets and bulletins of Farms for Sale asked for as a result of this ad. Guesses must be sent to the : : : :

ENTERPRISE REAL ESTATE CO., Huntsville, Ala.

ARE YOU INTERESTED

We carry a large list of the best farms in Madison County, Ala. Please write us for booklet and list of farms we have for sale.

ENTERPRISE REAL ESTATE CO., Huntsville, Alabama

**Don't Kill Your Sales**

By using poor illustrations. The best are the cheapest. We know how, because we specialize on Poultry work. We can design your Catalog, Mating List, Letter Heads, etc. Photographs retouched. Write us your wants. Our Motto:

Promptness and Satisfaction

W. J. SMITH,
Commercial Bldg. Art Studio
LOUISVILLE, KY

Weis

Your FILING DESK becomes**THE CENTER OF YOUR OFFICE SYSTEM**

All data indexed in Filing Drawers at your elbow

There are 10 kinds of drawers for filing Index Cards, Letters, Catalogs, Clippings, etc. Your choice of these files may be arranged as you want them.

Solid Oak, Handsomely Finished Golden, Natural or Weathered. Top 28x52. Drawers on Rollers.

Practical Build—Enormous Capacity and Ease of Reference commend this file to you. All Solid Oak, so put together that it is almost wearproof. Roller Bearing Dust Proof drawers have follow blocks and full height sides. As efficient and serviceable as any file at any price. Capacity 20,000 letters. Golden, Natural, Weathered finish—freight paid. See note—\$13.25.

No. 421 Freight Paid \$13.25
See note



Gentlemen:

That Desk I bought of you last July is a splendid servant.

There are no dust-gathering pigeon holes, no losing of papers, nor interference with air circulation as in most roll-top desks. Its built-for-the-purpose filing drawers are much better than the stick-and-bind old-style storage drawers that were a part of the flat top desk I used previously. My mail and advertising work is sixty per cent heavier than when I bought the desk, and yet it gives me such assistance that I attend to all this with much less effort. Although I am ordering additional filing equipment from you, the system will have its headquarters at this desk.

The **Weis** Manufacturing Co.

172 Union St., Monroe, Mich.
New York Office 75 John St.

A SERVANT AT YOUR ELBOW

Weis Swinging Desk Stand

Swings and Locks into position when wanted. Swings out of way when not in use. Strong, Staunch, Solid. Does not vibrate. Oak Top 14x18. Black Enamelled Metal parts. By Parcel Post. \$3.50 anywhere in U.S.

NOTE: We pay

freight on Desk and Cabinet at prices quoted to Ry. Stations in Eastern and Central States. Consistent prices in West and South.

HELPFUL BOOKLET

"Filing Suggestions" sent with Catalog "F" of Time Saving Office Devices. Catalog "H" shows 2 kinds Expansible Bookcases—Free.

\$350
Del'd in U.S.

THE SOUTH'S BEST S. C. BLACK MINORCAS

ARE BRED BY WM. STUCKER, 512 3rd STREET, AUGUSTA, GA.

At Augusta, Ga., Show, 1913: 1st cock, 1st and 4th hen, 2nd and 3rd cockerel, 1st and 2nd pullet, 1st pen. \$25.00 cup for best display, \$10.00 cash special for best display. At Augusta, Ga., Show, 1914, 2nd and 5th cock, 3rd, 4th and 5th hen, 1st and 3rd cockerel, 1st, 3rd and 4th pullet, 2nd and 3rd pen. \$15.00 cash special for best display from Aiken or Richmond county. All varieties competing. \$50.00 cup and \$10.00 cash special for best display Minorcas. "NUFSED." Eggs from best matings \$5.00 per 15. Others \$3.00 per 15.

Postage Paid Both Ways

Anywhere in the U. S. A.



30 Years
in Business

Prices
Reasonable

Superior Sanitary Laundering

We pay the postage both ways on all bundles 50c. or over. Work guaranteed first-class. Prompt deliveries in sanitary packages. Will credit you upon reference. Write for information. Better still, send a trial bundle now.

Main Office: 628 W. Jefferson Street, Louisville, Ky.

If you will send us one new subscription to THE INDUSTRIOUS HEN at 50 cents, we will send you a big poultry book that sells for 50 cents per copy.

Get all of your friends and neighbors to subscribe for THE INDUSTRIOUS HEN. We will pay you for your time and trouble. Either cash or premiums.

Just say you saw it in The Industrious Hen.



BREEDER OF EXHIBITION AND HIGH CLASS UTILITY

**WHITE WYANDOTTES
LEGHORNS**

Write for Catalogue of Breeding Stock—Eggs for Hatching—Baby Chicks

MAYWOOD POULTRY FARM BOX 141 ANCHORAGE, KY.

WINNERS, 1913
LOUISVILLE
NASHVILLE
INDIANAPOLIS
HOPKINSVILLE
CINCINNATI
ATLANTA**MEYERS
BLACK LANGSHANS**

Still winning. Won at Memphis, Tenn., the largest show of the South, in a hot class, 3d cock, 2d, 3d and 4th hen, 2d cockerel, 3d pullet and 1st pen; silver cup for the best pen from the State of Missouri. I only lacked one point winning as many points as all my competitors combined. If the best is what you want, write me tonight and get my prices. Cockerels from \$2 up. I also have some fine hens and pullets for sale. Show birds a specialty. Yours for Langshans.

W. A. MEYER,
BOWLING GREEN, MO.



will cut tall and short grass, do all trimming along walks, drives and fences. If your dealers haven't them, drop us a line and we will send circulars and prices.

Clipper Lawn Mower Co.
5th St., Dixon, Ill.

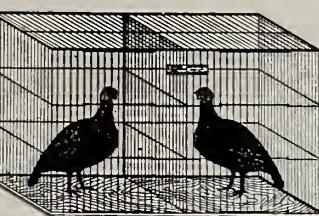


Poultry Bands Twelve Varieties
ADJUSTABLE
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You need one of our new illustrated catalogues to select your bands for the coming season. Why not get the best? You pay no more. Aluminum bands. Price postpaid, 12 for 15c; 25, 25c; 50, 35c; 100, 60c. NATIONAL POULTRY BAND CO., Newport, Ky.

HALLERS**Headquarters for Poultry Supplies**

Agents for leading makes and brands of Incubators, Brooders, Poultry Supplies, Remedies, etc. Mail orders given prompt attention.

Haller's Pet Shop, 103 W. Mkt. St., Louisville, Ky.

**SEND BY PARCEL POST:**

Let us show you how we can send you these wonderful coops by PARCEL POST DELIVERED to your home for less money than you can purchase coops of inferior quality for in your city.

We also make a specialty of benching shows on a rental or we will sell you the entire outfit. In any event get our prices and terms before placing your order. We can please you and save you money. Send for catalog.

KEIPPER COOPING COMPANY
1401 1st Street Milwaukee, Wisconsin

DENSMORE SINGLE COMB WHITE LEGHORNS**BLUE RIBBON WINNERS WHEREVER SHOWN**

Have 15 years of improvement back of them. Remember STRAIN is just as important as VARIETY. Careful records show an average of 150 eggs per hen on a flock of 1500.

Eggs for hatching. Baby Chicks. Stock for sale. Get our prices before ordering.
DENSMORE POULTRY FARM, Inc., Route No. 3, Roanoke, Va.

**WHITE ROCKS**

Pure Fishel Strain. We offer you both young and old stock at reasonable prices. All sired by our \$500 cock "Snowball." Send us your order, for we guarantee satisfaction or money refunded. Write for prices and description.

THE WHITE ROCK POULTRY FARM, LEESBURG, FLORIDA

A
**Natural
Poultry
Land**

Poultry do best in an open winter country. It is artificial to house birds 4 to 5 months in the year.

In the open air, with ample green feeds the year around, they lay better, grow faster and are more vigorous.

The Southeast is a natural poultry region. A growing season of 200 to 300 days annually (varying with locality) allows for a wide range of green foods the year round and reduces the cost of maintenance to a minimum.

If you intend starting in the poultry business and have but limited means, no section can offer you more certain success than the Southeast.

Land at \$15 an Acre up

prices varying with improvements and location, can be purchased in many sections near to good local markets. A Northern Florida poultryman sells his eggs the year around to a local hotel for 40 cents per dozen. Thus profitable home markets are assured. Small fruit growing in connection with the poultry business makes a profitable combination.

Send at once for the "Southern Field" magazine, lists of farms for sale and other information you may desire.

M. V. RICHARDS, Land and Industrial Agent
Room 143 Southern Railway Washington, D. C.

Mobile & Ohio R.R.
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ANDERSON'S MINORCAS WIN THE "BLUE" AT NEW YORK

At Grand Central Palace, N. Y., 1st hen and 2d pullet, on just two entries, "Special" for best "Shaped" S. C. Black Minorca female. The best class of Minorcas ever exhibited at the Palace.

Winners also at Philadelphia, Hagerstown, Memphis, Atlanta and Augusta.

Choice breeders and sure winners at attractive prices.

R. H. ANDERSON,

LYNCHBURG, VIRGINIA

BABY CHICKS, BREEDING STOCK, HATCHING EGGS

Do you want big, strong husky chicks that are easy to raise and will grow fast and develop into veritable egg machines? If so, send us your order today. Do you want breeding stock that is range-raised and whose ancestors have all been range-raised and have been bred for egg production for years? From these kind of breeders you can raise a flock that will always be a source of pleasure and profit. Or do you want hatching eggs from the above described breeders? Eggs that run high in fertility, hatch large per cent. and most of all chicks are easy to raise. Baby chicks 15c each. Eggs \$1.50 per 15, \$6.00 per 100, \$50.00 per 1000. Prices quoted on show birds and breeders upon application. Satisfaction guaranteed.

EGGLAND FARM, W. T. MUIR, Mgr. R. R. No. 4. LEXINGTON, KY.

Does This Look Good to You?



\$3.00 HEN THAT LAYS \$21.27 IN EGGS IN ONE YEAR.



This is why there is such an increasing demand for my Anconas.

SHEPPARD'S FAMOUS ANCONAS

my birds have won three times as many first and second prizes at the Nation's greatest shows as all my competitors together, so have earned the distinction of being

Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, N. Y. For seven consecutive years

They are famous egg machines and the greatest winter layers, with the wonderful egg record of

256 Average for a Flock If you want to win at your show or increase your egg production, write for catalogue. Stock eggs and chicks for sale.

H. CECIL SHEPPARD,

BOX H-2

BEREA, OHIO



Quality Again Proven

By winning nine firsts out of a possible eleven, at Savannah, Nov. 23rd to 28th, 1914. And every feather bred in my own yards. As you can get the same kind of eggs I use myself, you can do likewise. Several Grand Pens each in White Leghorns, Buff Orpingtons, White Plymouth Rocks and R. I. Reds have been mated for 1915. They are bound to produce many winners. Utility Eggs for hatching, and Day Old Chicks also.

Vitality counts for even more than Quality, so bear in mind that everything is range reared and trap-nested.

Interesting illustrated catalog and Seventh Annual Mating List free. Send for them. Address,

**DEWITT C. BACON,
88 SPRINGFIELD AVE.**

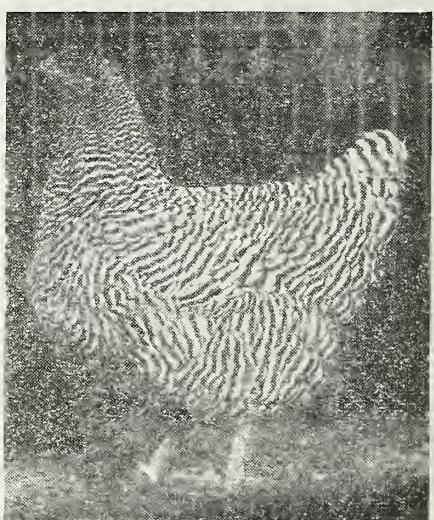
GUYTON, GA.



O. B. ANDREWS' EFFICIENCY STRAIN BARRED ROCKS AND WHITE LEGHORNS

In a clash with the brains of the poultry industry at the Chicago Coliseum Show, December 11-17, said by many to be the greatest show ever held in America, I won first Barred Rock exhibition hen; also 4th Barred Rock exhibition pullet; 5th Leghorn pullet; 5th exhibition Barred Rock cockerel. In addition, winning the special prize for best Barred Rock female in the show. Think of it! Championship female in hottest competition ever seen at the great Coliseum show. "Ask the Judges" what that means!

At the same time the above show was being held, another string was sweeping the show room in Chattanooga, winning: Barred Rocks—2nd cock; 1st hen. 2nd cockerel bred hen; 1st exhibition cockerel; 1st pullet breeding cockerel. 1-2-3-4 exhibition pullet; also 1st cockerel bred pullet. 2nd exhibition pen; 1st pullet breeding pen; 1st cockerel breeding pen, totaling 7 out of 10 possible firsts and 3 second prizes. In Leghorns—1-2-3 hen. 1st cockerel; 2-4 pullet; 1st old pen; 2nd young pen, totaling 3 out of 5 firsts and two second prizes; Bee Dee \$50.00 trophy for the best display of Barred Rocks: Chatta. Poultry Ass'n cup for largest and best display of Leghorns; also cup for the best pen 1 year old, and the great prize of the show, the Rose Trophy for the best pen in the entire show, all varieties competing. This trophy must be won three times for permanent ownership. I have won it twice in succession.



"First Prize Hen and Champion Barred Rock Female—Chicago Coliseum Dec., 1914."

"First Prize S. C. White Leghorn Cockerel; Champion Leghorn Male—Memphis, Oct., 1914."

Just think for a minute what that means, winning at two great shows—North and South simultaneously. "ASK THE JUDGES." They will tell you it means QUALITY—QUALITY—QUALITY—and Efficiency ALWAYS wins. Remember also my winning Champion Rock male and Champion Leghorn male at the great Memphis Show, October, 1914. My phenomenal winnings this season coupled with my past remarkable records at New Orleans, Chattanooga, Knoxville, Atlanta and other great shows, stamps Efficiency Strain as second to none. "ASK THE JUDGES" if I could back up my claims for Efficiency with more remarkable achievements in the show room. These winnings are the result of years of labor you can reap the result if you desire. My pens are now mated up with this wonderful collection of this year's National Champions. Do you want the best? Then, "ASK THE JUDGES."

Barred Rocks Eggs from these grand birds, \$6.00 per 15

Leghorn Eggs from our prize matings, \$4.00 per 15

I have just issued the handsomest catalog ever gotten out on Rocks and Leghorns. It is for you—if you are interested in Efficiency Strain Barred Rocks and Leghorns.

If you are troubled with Lice and Mites send \$1.00 for box of Andrews Deathmite. If it don't cleanse your fowls, money refunded "ASK THE JUDGES."

**O. B. ANDREWS, Originator-Breeder America's Famous Efficiency Strain Barred Rocks and S. C. White Leghorns
CHATTANOOGA, TENN.**